



**Microsoft**

## **Exam Questions AI-102**

Designing and Implementing an Azure AI Solution

NEW QUESTION 1

- (Topic 3)

You need to enable speech capabilities for a chatbot.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable WebSockets for the chatbot app.
- B. Create a Speech service.
- C. Register a Direct Line Speech channel.
- D. Register a Cortana channel.
- E. Enable CORS for the chatbot app.
- F. Create a Language Understanding service.

Answer: ABC

Explanation:

You can use the Speech service to voice-enable a chat bot.

The Direct Line Speech channel uses the text-to-speech service, which has neural and standard voices.

You'll need to make a small configuration change so that your bot can communicate with the Direct Line Speech channel using web sockets.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk>

NEW QUESTION 2

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.	<input type="radio"/>	<input type="radio"/>
All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.	<input type="radio"/>	<input checked="" type="radio"/>
All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 3

- (Topic 3)

Your company uses an Azure Cognitive Services solution to detect faces in uploaded images. The method to detect the faces uses the following code.

```
static async Task DetectFaces(string imagePath)
{
    HttpClient client = new HttpClient();
    DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", subscriptionKey);
    string requestParameter = "detectionModel=detection_01&returnFaceId=true&returnFaceLandmarks=false";
    string uri = endpoint + "/face/v1.0/detect?" + requestParameters;
    HttpResponseMessage response;
    byte[] byteData = GetImagesAsByteArray(imageFilePath);
    using (ByteArrayContent content = new ByteArrayContent(byteData))
    {
        Headers.ContentType = new MediaTypeHeaderValue("application/octet-stream");
        response = await PostAsync(uri, content);
        string contentString = await Content.ReadAsStringAsync();
        ProcessDetection(contentString);
    }
}
```

You discover that the solution frequently fails to detect faces in blurred images and in images that contain sideways faces.

- A. Use a different version of the Face API.
- B. Use the Computer Vision service instead of the Face service.
- C. Use the Identify method instead of the Detect method.
- D. Change the detection model. You need to increase the likelihood that the solution can detect faces in blurred images and images that contain sideways faces. What should you do?

Answer: D

Explanation:

Evaluate different models.

The best way to compare the performances of the detection models is to use them on a sample dataset. We recommend calling the Face - Detect API on a variety of images, especially images of many faces or of faces that are difficult to see, using each detection model. Pay attention to the number of faces that each model returns.

Reference:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/specify-detection-model>

NEW QUESTION 4

HOTSPOT - (Topic 3)

You are building content for a video training solution.

You need to create narration to accompany the video content. The solution must use Custom Neural Voice.

What should you use to create a custom neural voice, and which service should you use to generate the narration? To answer, select the appropriate options in the answer area.

NOTE: Each correct answer is worth one point.

Answer Area

Custom neural voice: The Language Understanding portal  
Microsoft Bot Framework Composer  
The Azure portal

Narration: The Language Understanding portal  
The Speech Studio portal

Narration: Language Understanding  
Language Understanding  
Speaker Recognition  
Speech-to-text  
Text-to-speech

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Custom neural voice: The Language Understanding portal  
Microsoft Bot Framework Composer  
The Azure portal

Narration: The Language Understanding portal  
The Speech Studio portal

Narration: Language Understanding  
Language Understanding  
Speaker Recognition  
Speech-to-text  
Text-to-speech

NEW QUESTION 5

- (Topic 3)

You are building a chatbot.

You need to configure the bot to guide users through a product setup process. Which type of dialog should you use?

- A. component
- B. waterfall
- C. adaptive
- D. action

Answer: B

NEW QUESTION 6

HOTSPOT - (Topic 3)

You are building a chatbot.

You need to use the Content Moderator service to identify messages that contain sexually explicit language.

Which section in the response from the service will contain the category score, and which category will be assigned to the message? To answer, select the appropriate options in the answer area,

NOTE: Each correct selection is worth one point.

Answer Area

Section: Classification  
Classification  
pii  
Terms

Category: 3  
1  
2  
3

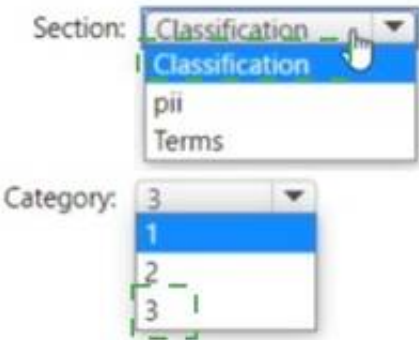
- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 7

- (Topic 3)

You have a Video Indexer service that is used to provide a search interface over company videos on your company's website. You need to be able to search for videos based on who is present in the video. What should you do?

- A. Create a person model and associate the model to the videos.
- B. Create person objects and provide face images for each object.
- C. Invite the entire staff of the company to Video Indexer.
- D. Edit the faces in the videos.
- E. Upload names to a language model.

Answer: A

Explanation:

Video Indexer supports multiple Person models per account. Once a model is created, you can use it by providing the model ID of a specific Person model when uploading/indexing or reindexing a video. Training a new face for a video updates the specific custom model that the video was associated with. Note: Video Indexer supports face detection and celebrity recognition for video content. The celebrity recognition feature covers about one million faces based on commonly requested data source such as IMDB, Wikipedia, and top LinkedIn influencers. Faces that aren't recognized by the celebrity recognition feature are detected but left unnamed. Once you label a face with a name, the face and name get added to your account's Person model. Video Indexer will then recognize this face in your future videos and past videos.

Reference:

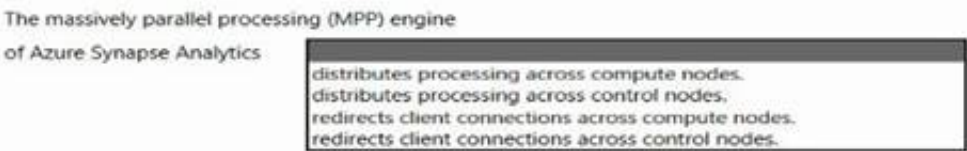
<https://docs.microsoft.com/en-us/azure/media-services/video-indexer/customize-person-model-with-api>

NEW QUESTION 8

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

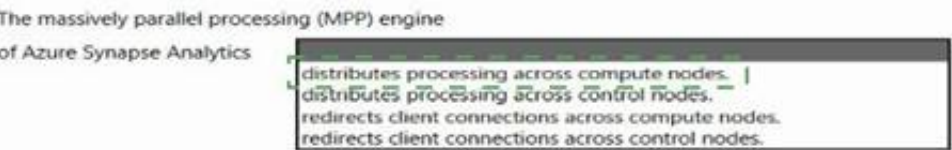


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 9

HOTSPOT - (Topic 3)

You have an Azure Cognitive Search resource named Search 1 that is used by multiple apps You need to secure Search 1. The solution must meet the following requirements:

- Prevent access to Search1 from the internet.
- Limit the access of each app to specific queries

What should you do? To answer, select the appropriate options in the answer area NOTE Each correct answer is worth one point.



Answer Area

To prevent access from the internet:

Create a private endpoint.

Configure an IP firewall.

Create a private endpoint.

Use Azure roles.

To limit access to queries:

Use Azure roles.

Create a private endpoint.

Use Azure roles.

Use key authentication.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

To prevent access from the internet:

Create a private endpoint.

Configure an IP firewall.

Create a private endpoint.

Use Azure roles.

To limit access to queries:

Use Azure roles.

Create a private endpoint.

Use Azure roles.

Use key authentication.

NEW QUESTION 10

DRAG DROP - (Topic 3)

You plan to use containerized versions of the Anomaly Detector API on local devices for testing and in on-premises datacenters.

You need to ensure that the containerized deployments meet the following requirements:

? Prevent billing and API information from being stored in the command-line histories of the devices that run the container.

? Control access to the container images by using Azure role-based access control (Azure RBAC).

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose four.)

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

Create a custom Dockerfile.

Pull the Anomaly Detector container image.

Distribute a docker run script.

Push the image to an Azure container registry.

Build the image.

Push the image to Docker Hub.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Pull the Anomaly Detector container image. Step 2: Create a custom Dockerfile

Step 3: Build the image

Step 4: Push the image to an Azure container registry.

<https://docs.microsoft.com/en-us/azure/cognitive-services/containers/container-reuse-recipe>

NEW QUESTION 10

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training.

Find contacts in London. Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new pattern in the FindContact intent.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use a new intent for location.

Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

**NEW QUESTION 14**

- (Topic 3)

What should you use to automatically delete blobs from Azure Blob Storage?

- A. the change feed
- B. a lifecycle management policy
- C. soft delete
- D. archive storage

**Answer:** D

**NEW QUESTION 17**

- (Topic 3)

You build a conversational bot named bot1.

You need to configure the bot to use a QnA Maker application.

From the Azure Portal, where can you find the information required by bot1 to connect to the QnA Maker application?

- A. Access control (IAM)
- B. Properties
- C. Keys and Endpoint
- D. Identity

**Answer:** C

**Explanation:**

Obtain values to connect your bot to the knowledge base 1. In the QnA Maker site, select your knowledge base. 2. With your knowledge base open, select the SETTINGS tab. Record the value shown for service name. This value is useful for finding your knowledge base of interest when using the QnA Maker portal interface. It's not used to connect your bot app to this knowledge base. 3. Scroll down to find Deployment details and record the following values from the Postman sample HTTP request: 4. POST /knowledgebases/<knowledge-base-id>/generateAnswer 5. Host: <your-host-url> 6. Authorization: EndpointKey <your-endpoint-key>

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-qna>

**NEW QUESTION 21**

- (Topic 3)

You have an Azure subscription that contains an Anomaly Detector resource. You deploy a Docker host server named Server 1 to the on-premises network. You need to host an instance of the Anomaly Detector service on Server 1. Which parameter should you include in the docker run command?

- A. Fluentd
- B. Billing
- C. Http Proxy
- D. Mounts

**Answer:** B

**NEW QUESTION 22**

- (Topic 3)

You have a factory that produces food products.

You need to build a monitoring solution for staff compliance with personal protective equipment (PPE) requirements. The solution must meet the following requirements:

- identify staff who have removed masks or safety glasses.
- Perform a compliance check every 15 minutes.
- Minimize development effort.
- Minimize costs.

Which service should you use?

- A. Face
- B. Computer Vision
- C. Azure Video Analyzer for Media (formerly Video indexer)

**Answer:** A

**NEW QUESTION 26**

- (Topic 3)

You are building a chatbot by using Microsoft Bot Framework Composer.

You need to configure the chatbot to present a list of available options. The solution must ensure that an image is provided for each option.

Which two features should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. an Azure function
- B. an adaptive card
- C. an entity
- D. a dialog
- E. an utterance

**Answer:** BD

#### NEW QUESTION 27

- (Topic 3)

You need to develop a solution to provide data to executives. The solution must provide an interactive graphical interface, depict various key performance indicators, and support data exploration by using drill down. What should you use in Microsoft Power BI?

- A. a report
- B. Microsoft Power Apps
- C. a view
- D. a dataflow

**Answer:** C

#### NEW QUESTION 28

- (Topic 3)

You are building an AI solution that will use Sentiment Analysis results from surveys to calculate bonuses for customer service staff. You need to ensure that the solution meets the Microsoft responsible AI principles. What should you do?

- A. Add a human review and approval step before making decisions that affect the staffs financial situation
- B. Include the Sentiment Analysis results when surveys return a low confidence score.
- C. Use all the surveys, including surveys by customers who requested that their account be deleted and their data be removed.
- D. Publish the raw survey data to a central location and provide the staff with access to the location.

**Answer:** A

#### NEW QUESTION 32

HOTSPOT - (Topic 3)

You are developing an application that includes language translation.

The application will translate text retrieved by using a function named `get_text_to_be_translated`. The text can be in one of many languages. The content of the text must remain within the Americas Azure geography.

You need to develop code to translate the text to a single language.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

```
...
api_key = "FF956C68B83821838691A8D200A4C606"
text = get_text_to_be_translated()
headers = {
    'Content-Type': 'application/json',
    'Ocp-Apim-Subscription-Key': api_key
}
body = {
    'Text': text
}
conn = httplib.HTTPSConnection
conn.request("POST",
response = conn.getresponse()
    conn.request("POST",
response = conn.getresponse()
response_data = response.r
...

```

Hotspot 1: Select the appropriate API endpoint for the Microsoft Translator service.

Hotspot 2: Select the appropriate API endpoint for the Microsoft Translator service.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

```
...
api_key = "FF956C68B83B21838691A8D200A4C606"
text = get_text_to_be_translated()
headers = {
    'Content-Type': 'application/json',
    'Ocp-Apim-Subscription-Key': api_key
}
body = {
    'Text': text
}
conn = httplib.HTTPSConnection
conn.request("POST",
response = conn.getresponse()
    conn.request("POST",
response = conn.getresponse()
response_data = response.r
...

```



### NEW QUESTION 35

- (Topic 3)

You have a collection of 50,000 scanned documents that contain text. You plan to make the text available through Azure Cognitive Search. You need to configure an enrichment pipeline to perform optical character recognition (OCR) and text analytics. The solution must minimize costs. What should you attach to the skillset?

- A. a new Computer Vision resource
- B. a free (Limited enrichments) Cognitive Services resource
- C. an Azure Machine Learning pipeline
- D. a new Cognitive Services resource that uses the SO pricing tier

**Answer:** A

**Explanation:**

The Computer Vision API uses text recognition APIs to extract and recognize text information from images. Read uses the latest recognition models, and is optimized for large, text-heavy documents and noisy images.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/cognitive-search-with-skillsets>

### NEW QUESTION 39

- (Topic 3)

You have an Azure subscription that contains a Language service resource named ta1 and a virtual network named vnet1. You need to ensure that only resources in vnet1 can access ta1. What should you configure?

- A. a network security group (NSG) for vnet1
- B. Azure Firewall for vnet1
- C. the virtual network settings for ta 1
- D. a Language service container for ta1

**Answer:** C

### NEW QUESTION 40

- (Topic 3)

You have a Language Understanding resource named lu1. You build and deploy an Azure bot named bot1 that uses lu1. You need to ensure that bot1 adheres to the Microsoft responsible AI principle of inclusiveness. How should you extend bot1?

- A. Implement authentication for bot1.
- B. Enable active learning for lu1.
- C. Host lu1 in a container.
- D. Add Direct Line Speech to bot1.

**Answer:** D

**Explanation:**

Inclusiveness: AI systems should empower everyone and engage people.

Direct Line Speech is a robust, end-to-end solution for creating a flexible, extensible voice assistant. It is powered by the Bot Framework and its Direct Line Speech channel, that is optimized for voice-in, voice-out interaction with bots.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/direct-line-speech>

### NEW QUESTION 44

- (Topic 3)

You are developing a monitoring system that will analyze engine sensor data, such as rotation speed, angle, temperature, and pressure. The system must generate an alert in response to atypical values. What should you include in the solution?

- A. Application Insights in Azure Monitor
- B. metric alerts in Azure Monitor
- C. Multivariate Anomaly Detection



D. Univariate Anomaly Detection

**Answer:** C

#### NEW QUESTION 49

- (Topic 3)

You are building an app that will include one million scanned magazine articles. Each article will be stored as an image file. You need to configure the app to extract text from the images. The solution must minimize development effort. What should you include in the solution?

- A. Computer Vision Image Analysis
- B. the Read API in Computer Vision
- C. Form Recognizer
- D. Azure Cognitive Service for Language

**Answer:** B

#### NEW QUESTION 54

- (Topic 3)

You train a Conversational Language Understanding model to understand the natural language input of users.

You need to evaluate the accuracy of the model before deploying it.

What are two methods you can use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. From the language authoring REST endpoint, retrieve the model evaluation summary.
- B. From Language Studio, enable Active Learning, and then validate the utterances logged for review.
- C. From Language Studio, select Model performance.
- D. From the Azure portal, enable log collection in Log Analytics, and then analyze the logs.

**Answer:** AC

#### NEW QUESTION 57

- (Topic 3)

You are developing a new sales system that will process the video and text from a public-facing website.

You plan to notify users that their data has been processed by the sales system. Which responsible AI principle does this help meet?

- A. transparency
- B. fairness
- C. inclusiveness
- D. reliability and safety

**Answer:** D

#### Explanation:

"When an AI application relies on personal data, such as a facial recognition system that takes images of people to recognize them; you should make it clear to the user how their data is used and retained, and who has access to it." from: <https://docs.microsoft.com/en-us/learn/paths/prepare-for-ai-engineering/>

#### NEW QUESTION 58

- (Topic 3)

You need to store event log data that is semi-structured and received as the logs occur. What should you use?

- A. Azure Table storage
- B. Azure Queue storage
- C. Azure Files

**Answer:** A

#### NEW QUESTION 61

- (Topic 3)

You have a 20-GB file named file1, avi that is stored on a local drive. You need to index file1, avi by using the Azure Video indexer website. What should you do first?

- A. Upload File1 avi to an Azure storage queue.
- B. upload File1.avi to the [www.youtube.com](https://www.youtube.com) seepage
- C. Upload file1 avi to the Azure video indexer website.
- D. Upload file1 avi to Microsoft OneDrive.

**Answer:** D

#### Explanation:

This is because the Azure Video Indexer website allows you to upload videos from a URL or from your file system, but there are some limitations and considerations for each option1.

If you upload from your file system, the size of the file is limited to 2 GB, which is less than the size of file1.avi (20 GB). Therefore, this option is not feasible.

If you upload from a URL, the size of the file is limited to 30 GB, which is enough for file1.avi. However, the URL must be publicly accessible and valid, and the file must be accessible. You cannot use URLs from streaming services such as YouTube1. Therefore, options A and B are not valid.

The best option is to upload file1.avi to a cloud storage service such as Microsoft OneDrive, and then generate a shareable link for the file. You can then paste the link in the

Azure Video Indexer website and upload the video from the URL. This way, you can avoid the file size limitation and ensure that the file is accessible and valid2.

### NEW QUESTION 63

HOTSPOT - (Topic 3)

You have an Azure subscription that has the following configurations:

- Subscription ID: 8d3591aa-96b8-4737-ad09-00f9b1ed35ad
- Tenant ID: 3edfe572-cb54-3ced-ae12-c5c177f39a12

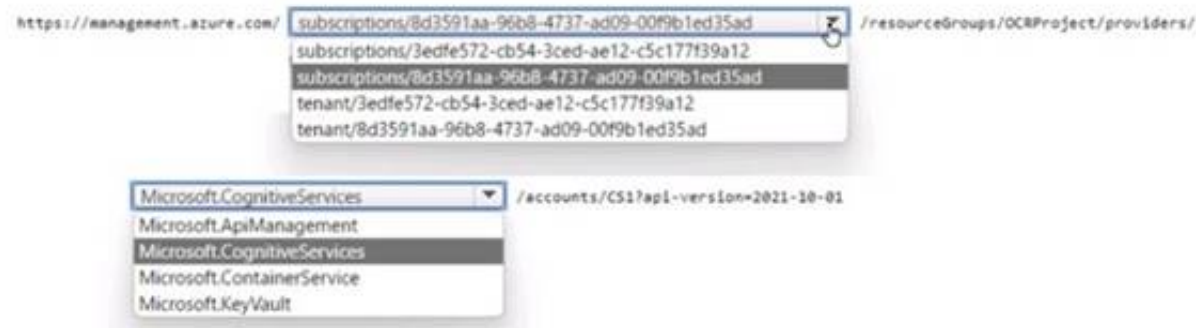
You plan to create a resource that will perform sentiment analysis and optical character recognition (OCR).

You need to use an HTTP request to create the resource in the subscription. The solution must use a single key and endpoint.

How should you complete the request? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



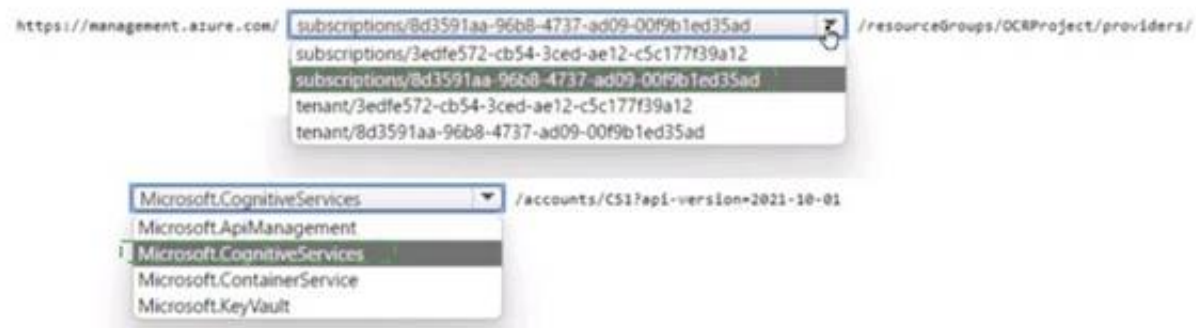
The screenshot shows the Azure portal interface for creating a resource. The URL field is populated with `https://management.azure.com/subscriptions/8d3591aa-96b8-4737-ad09-00f9b1ed35ad/resourceGroups/OCRProject/providers/`. The provider dropdown menu is open, showing the following options: `Microsoft.ApiManagement`, `Microsoft.CognitiveServices` (selected), `Microsoft.ContainerService`, and `Microsoft.KeyVault`. The resource type dropdown is also open, showing the following options: `subscriptions/8d3591aa-96b8-4737-ad09-00f9b1ed35ad` (selected), `subscriptions/3edfe572-cb54-3ced-ae12-c5c177f39a12`, `tenant/3edfe572-cb54-3ced-ae12-c5c177f39a12`, and `tenant/8d3591aa-96b8-4737-ad09-00f9b1ed35ad`.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



The screenshot shows the Azure portal interface for creating a resource. The URL field is populated with `https://management.azure.com/subscriptions/8d3591aa-96b8-4737-ad09-00f9b1ed35ad/resourceGroups/OCRProject/providers/`. The provider dropdown menu is open, showing the following options: `Microsoft.ApiManagement`, `Microsoft.CognitiveServices` (selected), `Microsoft.ContainerService`, and `Microsoft.KeyVault`. The resource type dropdown is also open, showing the following options: `subscriptions/8d3591aa-96b8-4737-ad09-00f9b1ed35ad` (selected), `subscriptions/3edfe572-cb54-3ced-ae12-c5c177f39a12`, `tenant/3edfe572-cb54-3ced-ae12-c5c177f39a12`, and `tenant/8d3591aa-96b8-4737-ad09-00f9b1ed35ad`.

### NEW QUESTION 64

- (Topic 3)

You are building a Chatbot by using the Microsoft Bot Framework SDK. The bot will be used to accept food orders from customers and allow the customers to customize each food item. You need to configure the bot to ask the user for additional input based on the type of item ordered. The solution must minimize development effort. Which two types of dialogs should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. adaptive
- B. action
- C. waterfall
- D. prompt
- E. input

Answer: BC

### NEW QUESTION 69

HOTSPOT - (Topic 3)

You are developing a service that records lectures given in English (United Kingdom).

You have a method named `AppendToTranscriptFile` that takes translated text and a language identifier.

You need to develop code that will provide transcripts of the lectures to attendees in their respective language. The supported languages are English, French, Spanish, and German.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
static async Task TranslateSpeechAsync()
{
    var config =SpeechTranslationConfig.FromSubscription("69cad5cc-0ab3-4704-bdff-afbf4aa07d85", "uksouth");

    var lang = new List<string>
    {
        "en-GB"
    };

    config.SpeechRecognitionLanguage = "en-GB";
    lang.ForEach(config.AddTargetLanguage);

    using var audioConfig = AudioConfig.FromDefaultMicrophoneInput();
    using var recognizer = new TranslationRecognizer(config, audioConfig);

    var result = await recognizer.RecognizeOnceAsync();
    if (result.Reason == ResultReason.TranslatedSpeech)
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: {"fr", "de", "es"}

A common task of speech translation is to specify target translation languages, at least one is required but multiples are supported. The following code snippet sets both French and German as translation language targets.

```
static async Task TranslateSpeechAsync()
{
    var translationConfig =
    SpeechTranslationConfig.FromSubscription(SPEECH SUBSCRIPTION KEY, SPEECH SERVICE REGION);
    translationConfig.SpeechRecognitionLanguage = "it-IT";
    // Translate to languages. See, https://aka.ms/speech/sttt-languages translationConfig.AddTargetLanguage("fr"); translationConfig.AddTargetLanguage("de");
}
```

Box 2: TranslationRecognizer

After you've created a SpeechTranslationConfig, the next step is to initialize a TranslationRecognizer.

Example code:

```
static async Task TranslateSpeechAsync()
{
    var translationConfig =
    SpeechTranslationConfig.FromSubscription(SPEECH SUBSCRIPTION KEY, SPEECH SERVICE REGION);
    var fromLanguage = "en-US";
    var toLanguages = new List<string> { "it", "fr", "de" }; translationConfig.SpeechRecognitionLanguage = fromLanguage;
    toLanguages.ForEach(translationConfig.AddTargetLanguage);
    using var recognizer = new TranslationRecognizer(translationConfig);
}
```

NEW QUESTION 73

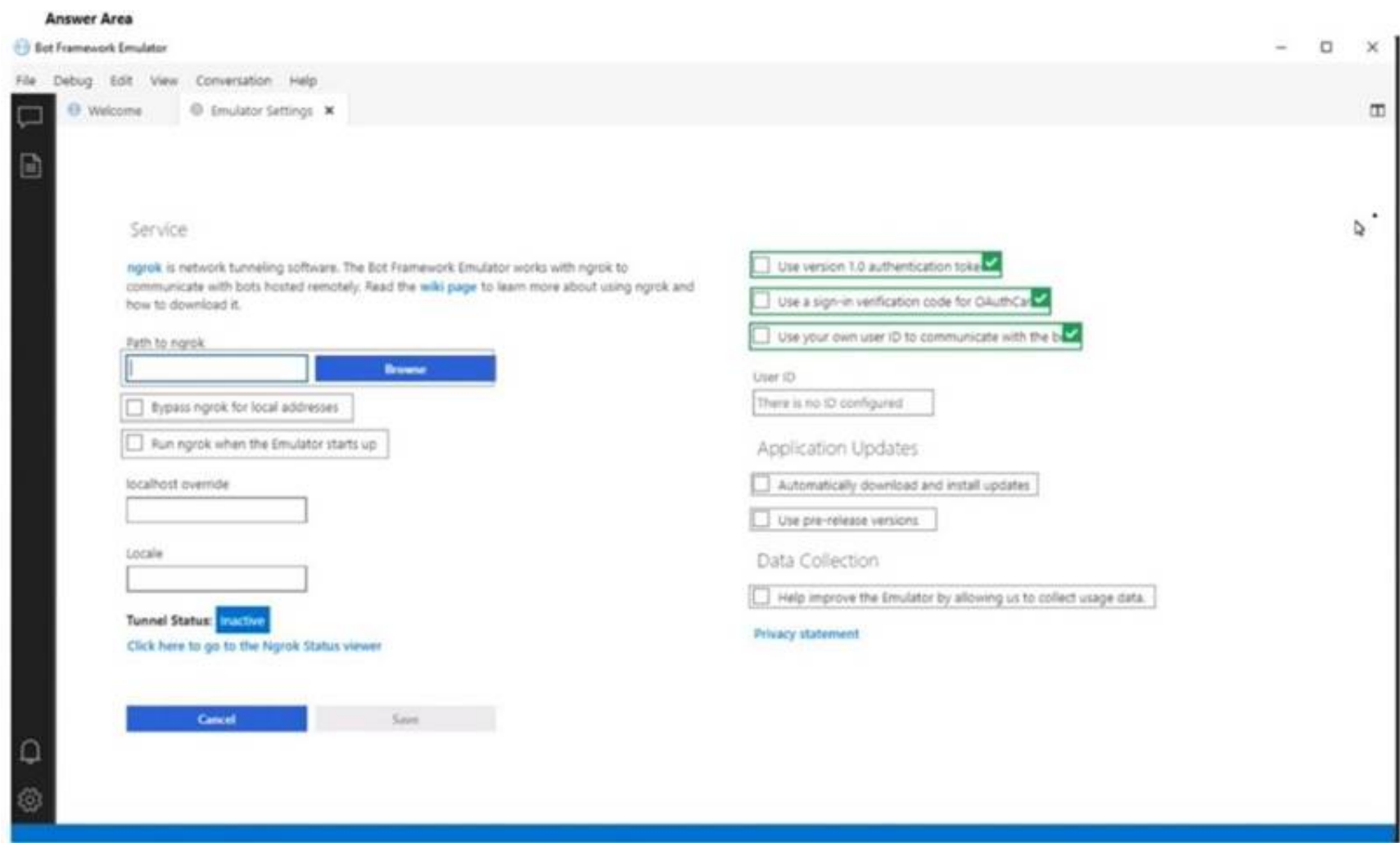
HOTSPOT - (Topic 3)

You have a chatbot.

You need to test the bot by using the Bot Framework Emulator. The solution must ensure that you are prompted for credentials when you sign in to the bot.

Which three settings should you configure? To answer, select the appropriate settings in the answer area.

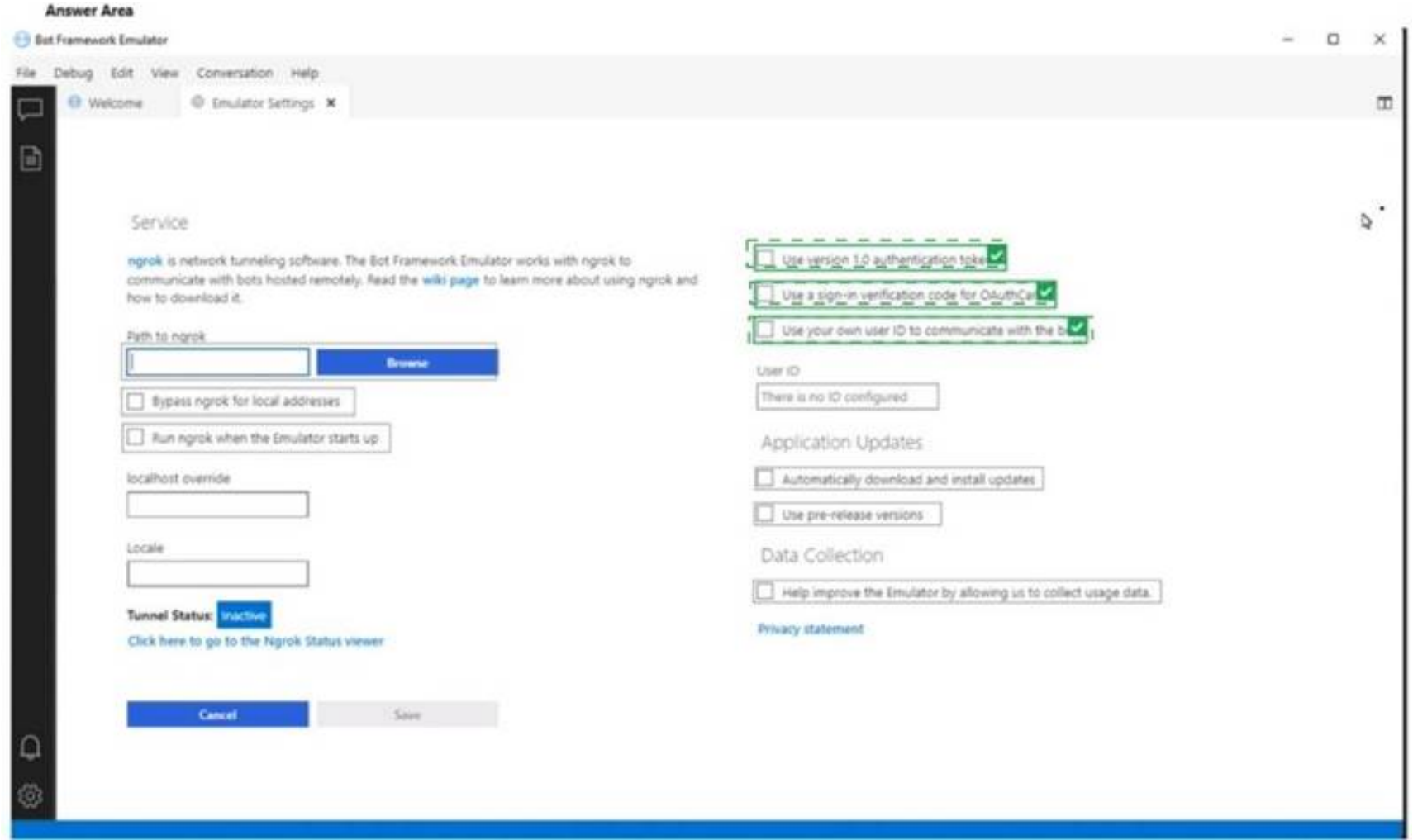
NOTE Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



**NEW QUESTION 74**

- (Topic 3)

You have an Azure subscription that contains an AI enrichment pipeline in Azure Cognitive Search and an Azure Storage account that has 10 G8 of scanned documents and images. You need to index the documents and images in the storage account. The solution must minimize how long it takes to build the index. What should you do?

- A. From the Azure portal, configure parallel indexing.
- B. Create a text-based indexer by using the REST API.
- C. From the Azure portal, configure scheduled indexing.
- D. Configure field mappings by using the REST API.

Answer: A



#### NEW QUESTION 77

- (Topic 3)

You are developing a solution to generate a word cloud based on the reviews of a company's products. Which Text Analytics REST API endpoint should you use?

- A. keyPhrases
- B. sentiment
- C. languages
- D. entities/recognition/general

**Answer:** A

#### Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/overview>

#### NEW QUESTION 82

- (Topic 3)

You are building a Language Understanding model for an e-commerce platform. You need to construct an entity to capture billing addresses. Which entity type should you use for the billing address?

- A. machine learned
- B. Regex
- C. geographyV2
- D. Pattern.any
- E. list

**Answer:** A

#### Explanation:

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, Address could have the following structure:

Address: 4567 Main Street, NY, 98052, USA Building Number: 4567

Street Name: Main Street State: NY

Zip Code: 98052 Country: USA

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

#### NEW QUESTION 83

- (Topic 3)

You manage an application that stores data in a shared folder on a Windows server. You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

- A. table
- B. queue
- C. file
- D. blob

**Answer:** C

#### NEW QUESTION 84

- (Topic 3)

You have the following data sources:

? Finance: On-premises Microsoft SQL Server database

? Sales: Azure Cosmos DB using the Core (SQL) API

? Logs: Azure Table storage

? HR: Azure SQL database

You need to ensure that you can search all the data by using the Azure Cognitive Search REST API. What should you do?

- A. Configure multiple read replicas for the data in Sales.
- B. Mirror Finance to an Azure SQL database.
- C. Migrate the data in Sales to the MongoDB API.
- D. Ingest the data in Logs into Azure Sentinel.

**Answer:** B

#### Explanation:

On-premises Microsoft SQL Server database cannot be used as an index data source. Note: Indexer in Azure Cognitive Search: : Automate aspects of an indexing operation by

configuring a data source and an indexer that you can schedule or run on demand. This feature is supported for a limited number of data source types on Azure.

Indexers crawl data stores on Azure.

? Azure Blob Storage

? Azure Data Lake Storage Gen2 (in preview)

? Azure Table Storage

? Azure Cosmos DB

? Azure SQL Database

? SQL Managed Instance

? SQL Server on Azure Virtual Machines

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview#supported-data-sources>

#### NEW QUESTION 85

- (Topic 3)

What should you use to build a Microsoft Power BI paginated report?

- A. Power BI Report Builder
- B. Charculator
- C. Power BI Desktop
- D. the Power BI service

**Answer:** A

#### NEW QUESTION 90

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You develop an application to identify species of flowers by training a Custom Vision model. You receive images of new flower species.

You need to add the new images to the classifier.

Solution: You add the new images and labels to the existing model. You retrain the model, and then publish the model.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

The model needs to be extended and retrained.

#### NEW QUESTION 91

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language Users report that the responses of the chatbot lack formality when answering spurious questions

You need to ensure that the chatbot provides formal responses to spurious questions. Solution: From Language Studio, you change the chitchat source to qna\_chitchit\_friindly.tsv. and then retrain and republish the model. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 95

- (Topic 3)

You use the Custom Vision service to build a classifier.

After training is complete, you need to evaluate the classifier.

Which two metrics are available for review? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. recall
- B. F-score
- C. weighted accuracy
- D. precision
- E. area under the curve (AUC)

**Answer:** AD

#### Explanation:

Custom Vision provides three metrics regarding the performance of your model: precision, recall, and AP.

Reference:

<https://www.tallan.com/blog/2020/05/19/azure-custom-vision/>

#### NEW QUESTION 99

HOTSPOT - (Topic 3)

You are designing a conversation flow to be used in a chatbot.

You need to test the conversation flow by using the Microsoft Bot Framework Emulator. How should you complete the .chat file? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
user=User1
bot=watchbot
user: I want a new watch.
bot: [ Attachment
      ConversationUpdate
      Typing ][Delay=3000]

bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot:
[AttachmentLayout= adaptivecard
                  carousel
                  thumbnail ]

[Attachment=https://contoso.blob.core.windows.net/watch01.jpg]
[Attachment=https://contoso.blob.core.windows.net/watch02.jpg]
user: I like the first one.
bot: Sure, pulling up more information.
bot: [Attachment=cards\watchProfileCard.json
      adaptivecard
      carousel
      list ]

user: That's nice! Thank you.
bot: Sure, you are most welcome!
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
user=User1
bot=watchbot
user: I want a new watch.
bot: [ Attachment
      ConversationUpdate
      Typing ][Delay=3000]

bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot:
[AttachmentLayout= adaptivecard
                  carousel
                  thumbnail ]

[Attachment=https://contoso.blob.core.windows.net/watch01.jpg]
[Attachment=https://contoso.blob.core.windows.net/watch02.jpg]
user: I like the first one.
bot: Sure, pulling up more information.
bot: [Attachment=cards\watchProfileCard.json
      adaptivecard
      carousel
      list ]

user: That's nice! Thank you.
bot: Sure, you are most welcome!
```

NEW QUESTION 100

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input type="radio"/>
Normalizing a database reduces data redundancy.	<input type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input checked="" type="radio"/>
Normalizing a database reduces data redundancy.	<input checked="" type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 105

- (Topic 3)

What is a characteristic of a non-relational database?

- A. full support for Transact-SQL
- B. a fixed schema
- C. self describing entities

**Answer:** C

#### NEW QUESTION 107

- (Topic 3)

You have receipts that are accessible from a URL.

You need to extract data from the receipts by using Form Recognizer and the SDK. The solution must use a prebuilt model.

Which client and method should you use?

- A. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- B. the FormTrainingClient client and the StartRecognizeContentFromUri method
- C. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- D. the FormTrainingClient client and the StartRecognizeReceiptsFromUri method

**Answer:** D

**Explanation:**

To analyze receipts from a URL, use the StartRecognizeReceiptsFromUri method Example code:

```
private static async Task AnalyzeReceipt( FormRecognizerClient recognizerClient, string receiptUri)
```

```
{
```

```
    RecognizedFormCollection receipts = await recognizerClient.StartRecognizeReceiptsFromUri(new Uri(receiptUri)).WaitForCompletionAsync();
```

```
Reference:
```

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/quickstarts/client-library>

#### NEW QUESTION 110

- (Topic 3)

You have an Azure Cognitive Search solution and a collection of handwritten letters stored as JPEG files.

You plan to index the collection. The solution must ensure that queries can be performed on the contents of the letters.

You need to create an indexer that has a skillset. Which skill should you include?

- A. key phrase extraction
- B. optical character recognition (OCR)
- C. document extraction
- D. image analysis

**Answer:** B

#### NEW QUESTION 113

- (Topic 3)

A customer uses Azure Cognitive Search.

The customer plans to enable a server-side encryption and use customer-managed keys (CMK) stored in Azure.

What are three implications of the planned change? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. The index size will increase.
- B. Query times will increase.
- C. A self-signed X.509 certificate is required.
- D. The index size will decrease.
- E. Query times will decrease.
- F. Azure Key Vault is required.

**Answer:** ABF

**Explanation:**

"Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search. Enabling CMK encryption will increase index size and degrade query performance."

same document also lists Azure Key Vault as a requirement: <https://docs.microsoft.com/en-us/azure/search/search-security-overview#data-protection>

#### NEW QUESTION 114



- (Topic 3)

Your company wants to reduce how long it takes for employees to log receipts in expense reports. All the receipts are in English.

You need to extract top-level information from the receipts, such as the vendor and the transaction total. The solution must minimize development effort.

Which Azure Cognitive Services service should you use?

- A. Custom Vision
- B. Personalizer
- C. Form Recognizer
- D. Computer Vision

**Answer:** B

**Explanation:**

Azure Form Recognizer is a cognitive service that lets you build automated data processing software using machine learning technology. Identify and extract text, key/value pairs, selection marks, tables, and structure from your documents—the service outputs structured data that includes the relationships in the original file, bounding boxes, confidence and more.

Form Recognizer is composed of custom document processing models, prebuilt models for invoices, receipts, IDs and business cards, and the layout model.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer>

**NEW QUESTION 118**

HOTSPOT - (Topic 3)

You are reviewing the design of a chatbot. The chatbot includes a language generation file that contains the following fragment.

```
# Greet(user)
```

```
- ${Greeting()}, ${user.name}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
<code>\${user.name}</code> retrieves the user name by using a prompt.	<input type="radio"/>	<input type="radio"/>
<code>Greet()</code> is the name of the language generation template.	<input type="radio"/>	<input type="radio"/>
<code>\${Greeting() }</code> is a reference to a template in the language generation file.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: No

Example: Greet a user whose name is stored in `user.name`

```
- ${ welcomeUser(user.name) }
```

Example: Greet a user whose name you don't know:

```
- ${ welcomeUser() }
```

Box 2: No

Greet(User) is a Send a response action. Box 3: Yes

**NEW QUESTION 123**

- (Topic 3)

You are building a Conversational Language Understanding model.

You need to ensure that the model will support the following sample utterances:

- Set all the lights to on.
- Turn off the lights in the living room.
- What is the current thermostat temperature?
- Lower the temperature of the thermostat by five degrees. Which three elements should you add to the model?

Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. a location Intent
- B. a change setting entity
- C. a device intent
- D. a change setting intent
- E. a query setting intent
- F. a device entity

**Answer:** BCF

**NEW QUESTION 127**

HOTSPOT - (Topic 3)

You develop a test method to verify the results retrieved from a call to the Computer Vision API. The call is used to analyze the existence of company logos in images. The call returns a collection of brands named brands.

You have the following code segment.

```
foreach (var brand in brands)
{
    if (brand.Confidence >= .75)
        Console.WriteLine($"Logo of {brand.Name} between {brand.Rectangle.X},
{brand.Rectangle.Y} and {brand.Rectangle.W}, {brand.Rectangle.H}");
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input checked="" type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input checked="" type="radio"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 128

- (Topic 3)  
You are building a flight booking bot by using the Microsoft Bot Framework SDK.  
The bot will ask users for their departure date. The bot must repeat the question until a valid date is given, or the users cancel the transaction.  
Which type of dialog should you use?

- A. prompt
- B. action
- C. waterfall
- D. adaptive

Answer: A

NEW QUESTION 131

DRAG DROP - (Topic 3)  
You plan to build a chatbot to support task tracking.  
You create a Conversational Language Understanding service named lu1.  
You need to build a Conversational Language Understanding model to Integrate into the chatbot. The solution must minimize development time to build the model.  
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Add the prebuilt domain ToDo.

Add a new application.

Add example utterances.

Train the application.

Publish the application.

Answer Area

>

<

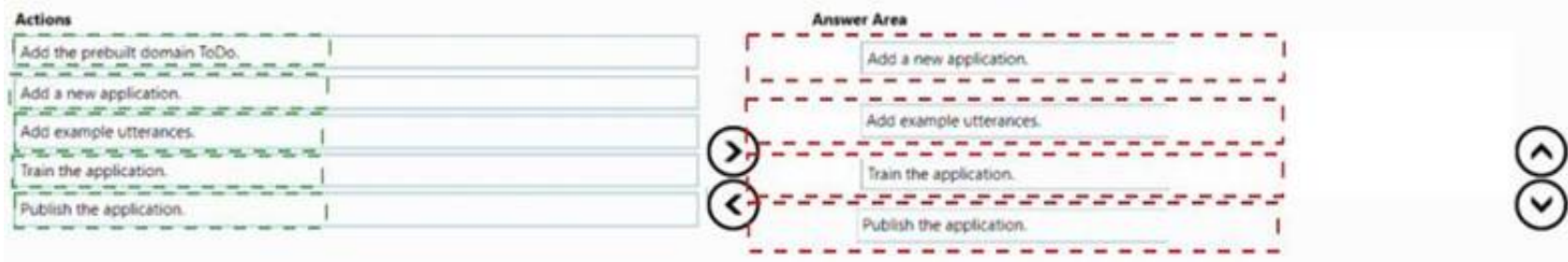
^

v

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 133

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.

Solution: You deploy service1 and a public endpoint to a new virtual network, and you configure Azure Private Link.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal#use-private-endpoints>

NEW QUESTION 135

- (Topic 3)

You have an Azure Cognitive Search solution and a collection of blog posts that include a category field. You need to index the posts. The solution must meet the following requirements:

- Include the category field in the search results.
- Ensure that users can search for words in the category field.
- Ensure that users can perform drill down filtering based on category. Which index attributes should you configure for the category field?

- A. searchable, facetable, and retrievable
- B. retrievable, filterable, and sortable
- C. retrievable, facetable, and key
- D. searchable, sortable, and retrievable

Answer: B

NEW QUESTION 136

DRAG DROP - (Topic 3)

You are building an app that will scan confidential documents and use the Language service to analyze the contents.

You provision an Azure Cognitive Services resource.

You need to ensure that the app can make requests to the Language service endpoint. The solution must ensure that confidential documents remain on-premises.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

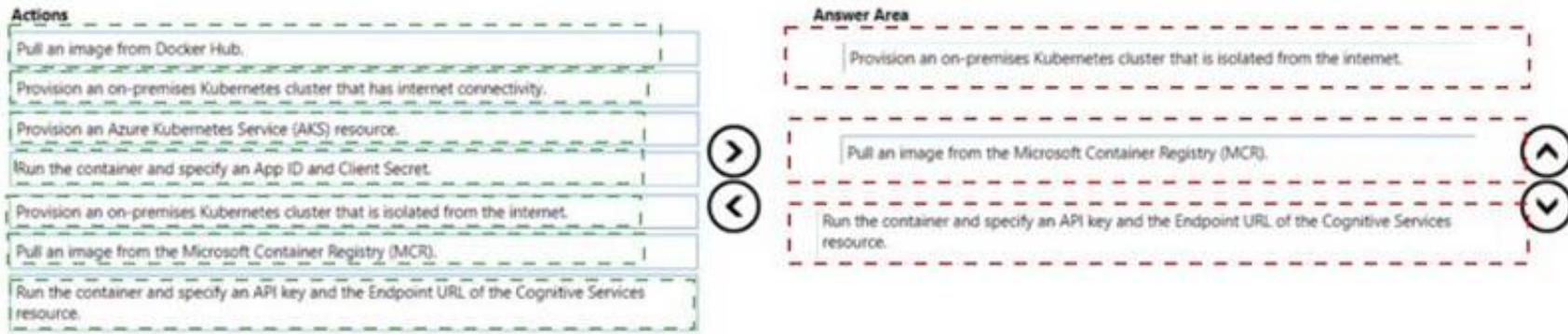


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:





#### NEW QUESTION 141

##### HOTSPOT - (Topic 3)

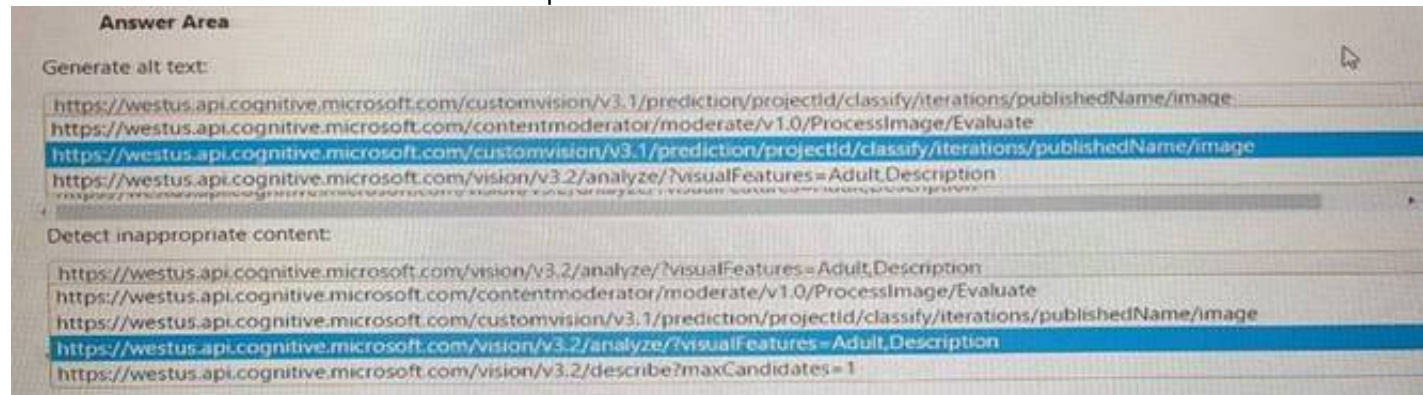
You are building an app that will enable users to upload images. The solution must meet the following requirements:

- Automatically suggest alt text for the images.
- Detect inappropriate images and block them.
- Minimize development effort.

You need to recommend a computer vision endpoint for each requirement.

What should you recommend? To answer, select the appropriate options in the answer area.

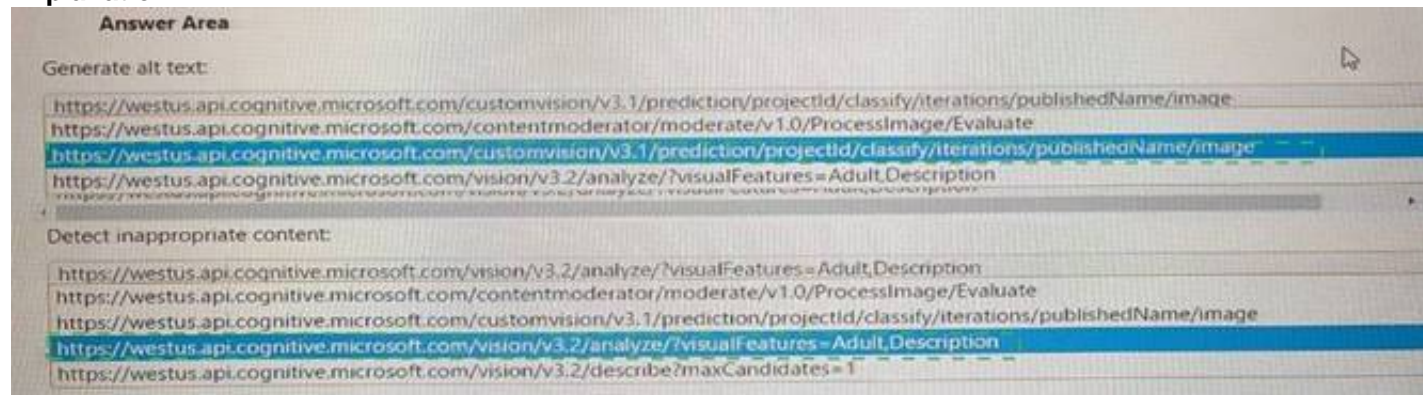
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



#### NEW QUESTION 144

##### HOTSPOT - (Topic 3)

You are building a chatbot that will provide information to users as shown in the following exhibit.



Passengers

Sarah Hum  
Jeremy Goldberg  
Evan Litvak

2 Stops

Tue, May 30, 2017 10:25 PM



Non-Stop

Fri, Jun 2, 2017 11:55 PM



Total \$4,032.54

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point.

Answer Area

The chatbot is showing [answer choice].

	▼
an Adaptive Card	
a Hero Card	
a Thumbnail Card	

The card includes [answer choice].

	▼
an action set	
an image	
an image group	
media	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Adaptive card Box 2: an image

NEW QUESTION 149

- (Topic 3)  
You are building a chatbot.  
You need to configure the chatbot to query a knowledge base. Which dialog class should you use?

- A. AdaptiveDialog
- B. QnAMakerDialog
- C. ComponentDialog
- D. SkillDialog

Answer: B

NEW QUESTION 154

- (Topic 3)  
You have a Language service resource that performs the following:

- Sentiment analysis
- Named Entity Recognition (NER)

- Personally Identifiable Information (PII) identification
- You need to prevent the resource from persisting input data once the data is analyzed. Which query parameter in the Language service API should you configure?
- A. loggingOptOut
  - B. piiCategories
  - C. showStats
  - D. Model-version

Answer: A

NEW QUESTION 159

- (Topic 3)

You are building a solution that will detect anomalies in sensor data from the previous 24 hours. You need to ensure that the solution scans the entire dataset, at the same time, for anomalies. Which type of detection should you use?

- A. batch
- B. streaming
- C. change point

Answer: A

Explanation:

Batch anomaly detection is a type of anomaly detection that scans the entire dataset at once for outliers and unusual patterns. Batch anomaly detection is suitable for offline analysis of historical data, such as sensor data from the previous 24 hours. Batch anomaly detection can use various techniques, such as statistical methods, machine learning methods, or hybrid methods, to identify anomalies in the data123.

NEW QUESTION 164

DRAG DROP - (Topic 3)

You develop an app in O named App1 that performs speech-to-speech translation. You need to configure App1 to translate English to German. How should you complete the speechTransiationConf ig object? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Values

addTargetLanguage

speechSynthesisLanguage

speechRecognitionLanguage

voiceName

Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH_SUBSCRIPTION_KEY, SPEECH_SERVICE_REGION);  
  
translationConfig. = "en-US";  
translationConfig. ("de");
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

addTargetLanguage

speechSynthesisLanguage

speechRecognitionLanguage

voiceName

Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH_SUBSCRIPTION_KEY, SPEECH_SERVICE_REGION);  
  
translationConfig. speechRecognitionLanguage "en-US";  
translationConfig. addTargetLanguage ("de");
```

NEW QUESTION 165

DRAG DROP - (Topic 3)

You have a monitoring solution that uses the Azure AI Anomaly Detector service. You provision a server named Server! that has intermittent internet access. You need to deploy the Azure AI Anomaly Detector to Server 1. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

From Server1, run the docker push command.

Query the prediction endpoint of the Azure AI Anomaly Detector in Azure.

Install the Docker Engine on Server1.

From Server1, run the docker pull command.

From Server1, run the docker run command.

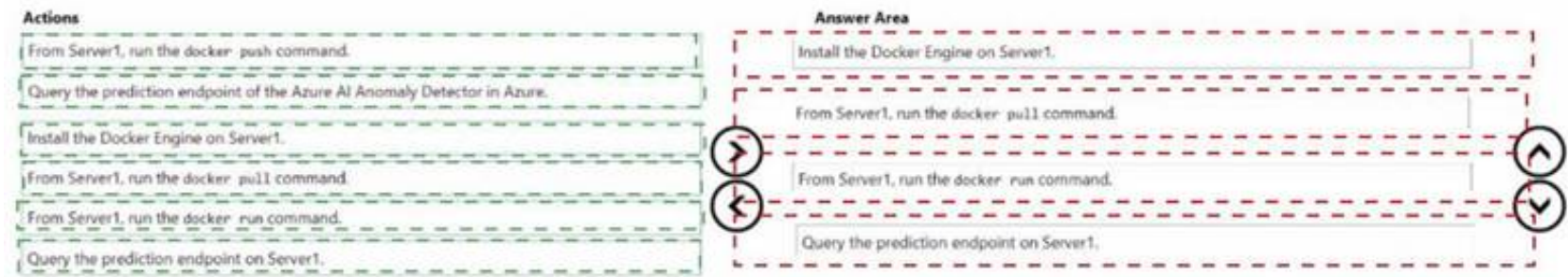
Query the prediction endpoint on Server1.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 167

- (Topic 3)

You are developing a new sales system that will process the video and text from a public- facing website.  
You plan to monitor the sales system to ensure that it provides equitable results regardless of the user's location or background.  
Which two responsible AI principles provide guidance to meet the monitoring requirements? Each correct answer presents part of the solution. (Choose two.)  
NOTE: Each correct selection is worth one point.

- A. transparency
- B. fairness
- C. inclusiveness
- D. reliability and safety
- E. privacy and security

Answer: BC

Explanation:

<https://docs.microsoft.com/en-us/learn/modules/get-started-ai-fundamentals/8-understand-responsible-ai>

NEW QUESTION 171

- (Topic 3)

You have an app that analyzes images by using the Computer Vision API.  
You need to configure the app to provide an output for users who are vision impaired. The solution must provide the output in complete sentences.  
Which API call should you perform?

- A. readInStreamAsync
- B. describeImageInStreamAsync
- C. toggleImageInStreamAsync
- D. analyzeImageByDomainInStreamAsync

Answer: D

NEW QUESTION 172

- (Topic 3)

You have an Azure subscription that contains an Azure App Service app named App1. You provision a multi-service Azure Cognitive Services resource named CSAccount1.  
You need to configure App1 to access CSAccount1. The solution must minimize administrative effort.  
What should you use to configure App1?

- A. a system-assigned managed identity and an X.509 certificate
- B. the endpoint URI and an OAuth token
- C. the endpoint URI and a shared access signature (SAS) token
- D. the endpoint URI and subscription key

Answer: D

NEW QUESTION 176

DRAG DROP - (Topic 3)

You are building a customer support chatbot.  
You need to configure the bot to identify the following:

- Code names for internal product development
  - Messages that include credit card numbers
- The solution must minimize development effort.

Which Azure Cognitive Service for Language feature should you use for each requirement? To answer, drag the appropriate features to the correct requirements.  
Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content  
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Features

Custom named entity recognition (NER)

Key phrase extraction

Language detection

Named Entity Recognition (NER)

Personally identifiable information (PII) detection

Sentiment analysis

Answer Area

Identify code names for internal product development:

Custom named entity recognition (NER)

Identify messages that include credit card numbers:

Personally identifiable information (PII) detection

NEW QUESTION 178

- (Topic 3)  
Which Azure Storage service implements the key/value model?

- A. Azure Files
- B. Azure Blob
- C. Azure Table
- D. Azure Queue

Answer: C

NEW QUESTION 182

DRAG DROP - (Topic 3)  
You need to develop an automated call handling system that can respond to callers in their own language. The system will support only French and English. Which Azure Cognitive Services service should you use to meet each requirement? To answer, drag the appropriate services to the correct requirements. Each service may be used once, more than once, or not at all. You may need to drag the split bat between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

Services

Speaker Recognition

Speech to Text

Text Analytics

Text to Speech

Translator

Answer Area

Detect the incoming language:

Respond in the callers' own language:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Text Analytics  
The Language Detection feature of the Azure Text Analytics REST API evaluates text input for each document and returns language identifiers with a score that indicates the strength of the analysis.  
Box 2: Translator  
Translator is a cloud-based neural machine translation service that is part of the Azure Cognitive Services family of REST APIs. Translator can be used with any operating system and powers many Microsoft products and services used by thousands of businesses worldwide to perform language translation and other language-related operations.

NEW QUESTION 187

HOTSPOT - (Topic 3)  
You have a collection of press releases stored as PDF files. You need to extract text from the files and perform sentiment analysis. Which service should you use for each task? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.



#### Answer Area

Extract text:

- Computer Vision
- Azure Cognitive Search
- Computer Vision
- Form Recognizer

Perform sentiment analysis:

- Language
- Azure Cognitive Search
- Computer Vision
- Form Recognizer
- Language

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

#### Answer Area

Extract text:

- Computer Vision
- Azure Cognitive Search
- Computer Vision
- Form Recognizer

Perform sentiment analysis:

- Language
- Azure Cognitive Search
- Computer Vision
- Form Recognizer
- Language

#### NEW QUESTION 190

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training. Find contacts in London.

Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new entity for the domain.

Does this meet the goal?

- A. Yes  
 B. No

**Answer:** B

**Explanation:**

Instead use a new intent for location.

Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

#### NEW QUESTION 192

- (Topic 3)

You are building a bot by using Microsoft Bot Framework.

You need to configure the bot to respond to spoken requests. The solution must minimize development effort.

What should you do?

- A. Deploy the bot to Azure and register the bot with a Direct Une Speech channel  
 B. Integrate the bot with Cortana by using the Bot Framework SDK.  
 C. Create an Azure function that will call the Speech service and connect the bot to the function.  
 D. Deploy the bot to Azure and register the bot with a Microsoft Teams channel.

**Answer:** B

#### NEW QUESTION 193

HOTSPOT - (Topic 3)

You are building a chatbot by using the Microsoft Bot Framework Composer. You have the dialog design shown in the following exhibit.

AskForName > BeginDialog > Text

Show code

BeginDialog  
Begin dialog event

Bot Asks (Text)  
What is your name?

User Input (Text)  
user.name = Input(Text)

Bot Asks (Number)  
Hello \$(user.name), how old are you?

User Input (Number)  
user.age = Input(Number)

Prompt for text

Text input

Collection information - Ask for a word or sentence.

[Learn more](#)

Bot Asks

User Input

Other

Property ⓘ

string

user.name

Output Format ⓘ

string

ex. =toUpper(this.value), \$(toUpper(this.value))

Value ⓘ

expression

fx =coalesce(@user.Name.@personName)

Expected responses (intent:  
#TextInput\_Response\_GH5FTe)

>

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Answer Area	Statements	Yes	No
	user.name is an entity.	<input type="radio"/>	<input type="radio"/>
	The dialog asks for a user name and a user age and assigns appropriate values to the user.name and user.age properties.	<input type="radio"/>	<input type="radio"/>
	The chatbot attempts to take the first non-null entity value for userName or personName and assigns the value to user.name.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No  
User.name is a property. Box 2: Yes  
Box 3: Yes  
The coalesce() function evaluates a list of expressions and returns the first non-null (or non-empty for string) expression.

NEW QUESTION 198

- (Topic 3)  
You have the following C# method.

```
static void create_resource(string resource_name, string kind, string account_tier, string location)
{
    CognitiveServicesAccount parameters =
        new CognitiveServicesAccount(null, null, kind, location, resource_name, new CognitiveServicesAccountProperties(), new Sku(account_tier));
    var result = cog_svc_client.Accounts.Create(resource_group_name, account_tier, parameters);
}
```

You need to deploy an Azure resource to the East US Azure region. The resource will be used to perform sentiment analysis.  
How should you call the method?

- A. create\_resource("res1", "ContentModerator", "S0", "eastus")
- B. create\_resource("res1", "TextAnalytics", "S0", "eastus")
- C. create\_resource("res1", "ContentModerator", "Standard", "East US")
- D. create\_resource("res1", "TextAnalytics", "Standard", "East US")

Answer: B

Explanation:

To perform sentiment analysis, we specify TextAnalytics, not ContentModerator. Possible SKU names include: 'F0','F1','S0','S1','S2','S3','S4','S5','S6','S7','S8'  
Possible location names include: westus, eastus  
Reference:  
<https://docs.microsoft.com/en-us/powershell/module/az.cognitiveservices/new-azcognitiveservicesaccount>

NEW QUESTION 200

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the 

elastic pool  
MySQL server  
PostgreSQL server  
virtual machine

 that hosts SQL Server.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the 

elastic pool  
MySQL server  
PostgreSQL server  
virtual machine

 that hosts SQL Server.

NEW QUESTION 205

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.  
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.  
You plan to create a new Azure Cognitive Search service named service1.  
You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.  
Solution: You deploy service1 and a public endpoint, and you configure a network security group (NSG) for vnet1.  
Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview#network-security-groups>  
<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-overview>

NEW QUESTION 208

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

When provisioning an Azure Cosmos DB 

account  
container  
database  
item

, you need to specify which type of API you will use.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

When provisioning an Azure Cosmos DB 

account  
container  
database  
item

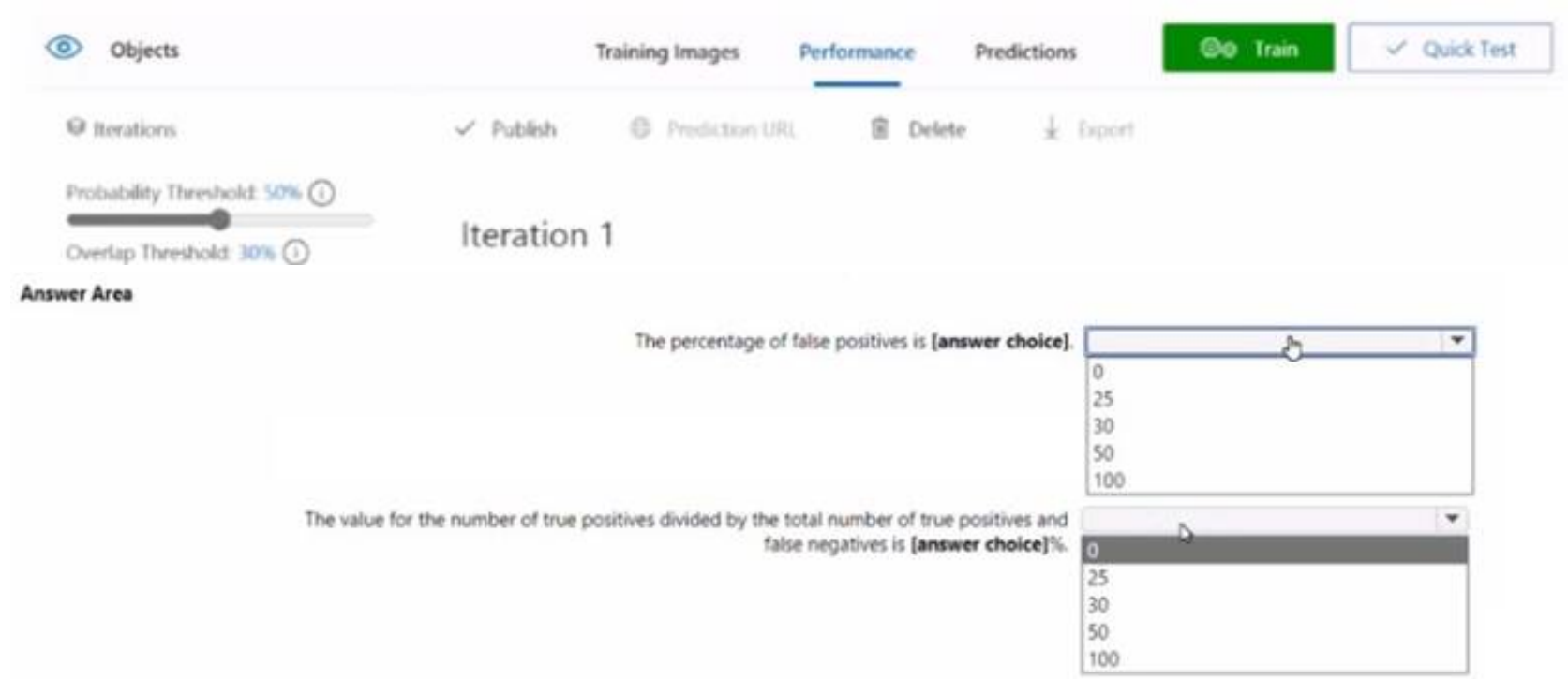
, you need to specify which type of API you will use.

## NEW QUESTION 212

HOTSPOT - (Topic 3)

You are building a model to detect objects in images.

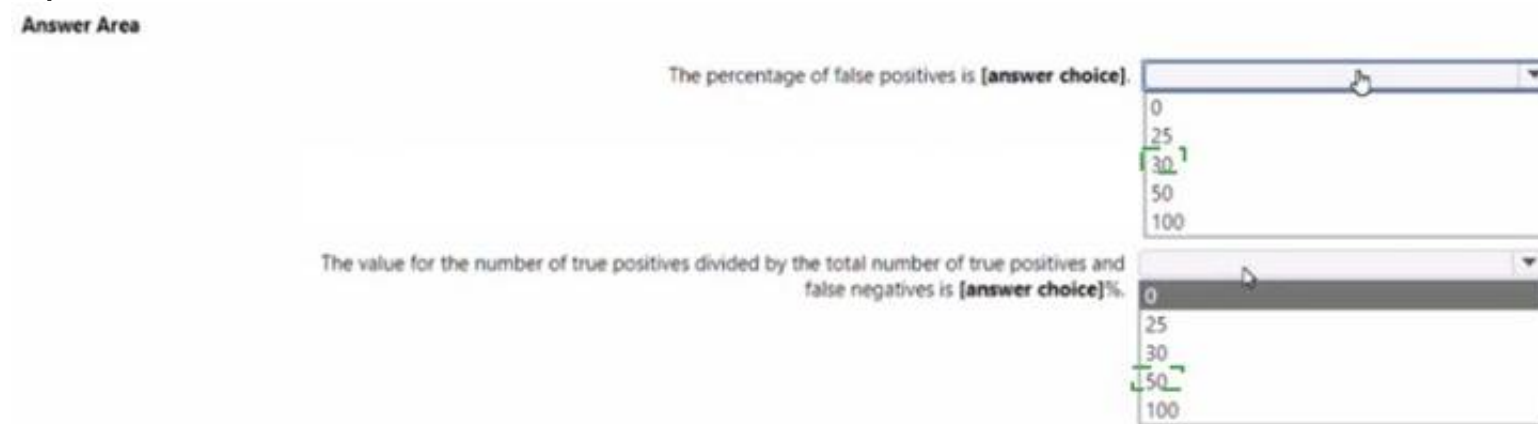
The performance of the model based on training data is shown in the following exhibit.



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



## NEW QUESTION 214

- (Topic 3)

You successfully run the following HTTP request.

POST <https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/providers/Microsoft.CognitiveServices/accounts/contoso/sol/regenerateKey?api-version=2017-04-18>

Body{"keyName": "Key2"}

What is the result of the request?

- A. A key for Azure Cognitive Services was generated in Azure Key Vault.
- B. A new query key was generated.
- C. The primary subscription key and the secondary subscription key were rotated.
- D. The secondary subscription key was reset.

**Answer: B**

**Explanation:**

<https://docs.microsoft.com/en-us/rest/api/searchmanagement/2021-04-01-preview/query-keys/create>

## NEW QUESTION 216

- (Topic 3)

You have data saved in the following format.

```
FirstName,LastName,Age,LeisureHobby,SportsHobby
John,Smith,23,Reading,Basketball
Ben,Smith,21,Guitar,Curling
```

Which format was used?

- A. CSV
- B. JSON
- C. HTML



D. YAML

**Answer:** A

#### NEW QUESTION 218

- (Topic 3)

You have an Azure Cognitive Search solution and an enrichment pipeline that performs Sentiment Analysis on social media posts.

You need to define a knowledge store that will include the social media posts and the Sentiment Analysis results.

Which two fields should you include in the definition? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. storageContainer
- B. tables
- C. storageConnectionString
- D. files
- E. objects

**Answer:** DE

#### NEW QUESTION 223

- (Topic 3)

You develop a Conversational Language Understanding model by using Language Studio

During testing, users receive incorrect responses to requests that do NOT relate to the capabilities of the model.

You need to ensure that the model identifies spurious requests. What should you do?

- A. Enable active learning.
- B. Add examples to the custom intents.
- C. Add examples to the None intent
- D. Add entities.

**Answer:** A

#### NEW QUESTION 227

- (Topic 3)

You are building a chatbot.

You need to ensure that the bot will recognize the names of your company's products and codenames. The solution must minimize development effort.

Which Azure Cognitive Service for Language service should you include in the solution?

- A. custom text classification
- B. entity linking
- C. custom Named Entity Recognition (NER)
- D. key phrase extraction

**Answer:** C

#### NEW QUESTION 229

- (Topic 3)

You need to implement a table projection to generate a physical expression of an Azure Cognitive Search index.

Which three properties should you specify in the skillset definition JSON configuration table node? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. tableName
- B. generatedKeyName
- C. dataSource
- D. dataSourceConnection
- E. source

**Answer:** ABE

#### Explanation:

Defining a table projection.

Each table requires three properties:

tableName: The name of the table in Azure Storage.

generatedKeyName: The column name for the key that uniquely identifies this row. source: The node from the enrichment tree you are sourcing your enrichments from. This node is usually the output of a shaper, but could be the output of any of the skills.

Reference:

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview>

#### NEW QUESTION 234

HOTSPOT - (Topic 3)

A1 You have an Azure OpenAI resource named AH that hosts three deployments of the GPT 3.5 model. Each deployment is optimized for a unique workload.

You plan to deploy three apps. Each app will access AM by using the REST API and will use the deployment that was optimized for the apps intended workload.

You need to provide each app with access to AH and the appropriate deployment. The solution must ensure that only the apps can access AM.

What should you use to provide access to AM. and what should each app use to connect to its appropriate deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

#### Answer Area

Provide access to AI1 by using:

- An API key
- An API key**
- A bearer token
- A shared access signature (SAS) token

Connect to the deployment by using:

- A deployment endpoint
- An API key
- A deployment endpoint**
- A deployment name
- A deployment type

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

##### Answer Area

Provide access to AI1 by using:

- An API key
- An API key**
- A bearer token
- A shared access signature (SAS) token

Connect to the deployment by using:

- A deployment endpoint
- An API key
- A deployment endpoint**
- A deployment name
- A deployment type

#### NEW QUESTION 239

- (Topic 3)

You are developing a method that uses the Computer Vision client library. The method will perform optical character recognition (OCR) in images. The method has the following code.

```
public static async Task ReadFileUrl(ComputerVisionClient client, string urlFile)
{
    const int numberOfCharsInOperationId = 36;

    var txtHeaders = await client.ReadAsync(urlFile, language: "en");

    string opLocation = txtHeaders.OperationLocation;
    string operationId = opLocation.Substring(opLocation.Length -
numberOfCharsInOperationId);

    ReadOperationResult results;

    results = await client.GetReadResultAsync(Guid.Parse(operationId));

    var textUrlFileResults = results.AnalyzeResult.ReadResults;
    foreach (ReadResult page in textUrlFileResults)
    {
        foreach (Line line in page.Lines)
        {
            Console.WriteLine(line.Text);
        }
    }
}
```

During testing, you discover that the call to the GetReadResultAsync method occurs before the read operation is complete. You need to prevent the GetReadResultAsync method from proceeding until the read operation is complete. Which two actions should you perform? Each correct answer presents part of the solution. (Choose two.)  
 NOTE: Each correct selection is worth one point.

- A. Remove the Guid.Parse(operationId) parameter.
- B. Add code to verify the results.Status value.
- C. Add code to verify the status of the txtHeaders.Status value.
- D. Wrap the call to GetReadResultAsync within a loop that contains a delay.

**Answer: BD**

#### Explanation:

Example code : do

```
{
results = await client.GetReadResultAsync(Guid.Parse(operationId));
}
```

while ((results.Status == OperationStatusCodes.Running || results.Status == OperationStatusCodes.NotStarted));

Reference:

<https://github.com/Azure-Samples/cognitive-services-quickstart-code/blob/master/dotnet/ComputerVision/ComputerVisionQuickstart.cs>

#### NEW QUESTION 240

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Cognitive Search service.

During the past 12 months, query volume steadily increased.

You discover that some search query requests to the Cognitive Search service are being throttled.

You need to reduce the likelihood that search query requests are throttled. Solution: You migrate to a Cognitive Search service that uses a higher tier. Does this meet the goal?

A. Yes

B. No

**Answer:** A

#### Explanation:

A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling). However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

#### NEW QUESTION 244

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

**Answer Area**

Statements	Yes	No
Azure Databricks is an Apache Spark-based analytics platform.	<input type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

**Answer:** A

#### Explanation:

**Answer Area**

Statements	Yes	No
Azure Databricks is an Apache Spark-based analytics platform.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 245

- (Topic 3)

You have a chatbot that was built by using the Microsoft Bot Framework. You need to debug the chatbot endpoint remotely.

Which two tools should you install on a local computer? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

A. Fiddler

B. Bot Framework Composer

C. Bot Framework Emulator

D. Bot Framework CLI

E. ngrok

F. nginx

**Answer:** CE

#### Explanation:

Bot Framework Emulator is a desktop application that allows bot developers to test and debug bots, either locally or remotely.

ngrok is a cross-platform application that "allows you to expose a web server running on your local machine to the internet." Essentially, what we'll be doing is using ngrok to forward messages from external channels on the web directly to our local machine to allow debugging, as opposed to the standard messaging endpoint configured in the Azure portal.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-debug-emulator>

#### NEW QUESTION 247

- (Topic 3)

You are building a multilingual chatbot.

You need to send a different answer for positive and negative messages.

Which two Text Analytics APIs should you use? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Linked entities from a well-known knowledge base
- B. Sentiment Analysis
- C. Key Phrases
- D. Detect Language
- E. Named Entity Recognition

**Answer:** BD

**Explanation:**

B: The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

D: The Language Detection feature of the Azure Text Analytics REST API evaluates text input for each document and returns language identifiers with a score that indicates the strength of the analysis.

This capability is useful for content stores that collect arbitrary text, where language is unknown. Reference:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-sentiment-analysis?tabs=version-3-1>  
<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-language-detection>

**NEW QUESTION 248**

DRAG DROP - (Topic 3)

You build a bot by using the Microsoft Bot Framework SDK. You need to test the bot interactively on a local machine. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

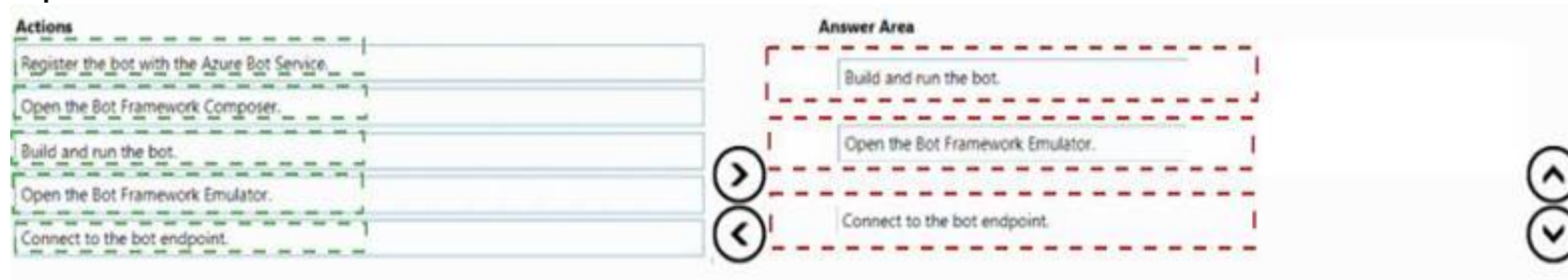
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 253**

- (Topic 3)

You need to measure the public perception of your brand on social media by using natural language processing. Which Azure service should you use?

- A. Content Moderator
- B. Form Recognizer
- C. Computer Vision
- D. Language service

**Answer:** D

**NEW QUESTION 257**

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language Users report that the responses of the chatbot lack formality when answering spurious questions

You need to ensure that the chatbot provides formal responses to spurious questions. Solution: From Language Studio, you remove all the chit-chat question and answer pairs, and then retrain and republish the model Does this meet the goal?

- A. Yes
- B. No

**Answer:** B



Explanation:

Removing all the chit-chat question and answer pairs from the project will not ensure that the chatbot provides formal responses to spurious questions. It will only make the chatbot unable to handle any chit-chat scenarios, which may result in a poor user experience and a loss of engagement. Instead, you should choose a chit-chat personality that matches the tone and style of your chatbot, such as Professional or Caring. You can also edit the chit-chat questions and answers to suit your specific needs, or add new ones that are not in the predefined data set<sup>12</sup>. This way, you can ensure that the chatbot responds appropriately to spurious questions, while still maintaining a conversational and engaging interaction with the user.

NEW QUESTION 259

- (Topic 3)

Your company has a repotting solution that has paginated reports. The reports query a dimensional model in a data warehouse. Which type of processing does the reporting solution use?

- A. Online Transaction Processing (OLTP)
- B. Online Analytical Processing (OLAP)
- C. batch processing
- D. stream processing

Answer: B

NEW QUESTION 261

HOTSPOT - (Topic 3)

You are building a solution that students will use to find references for essays. You use the following code to start building the solution.

```
using Azure;
using System;
using Azure.AI.TextAnalytics;

private static readonly AzureKeyCredential credentials = new AzureKeyCredential("<key>");
private static readonly Uri endpoint = new Uri("<endpoint>");

static void EntityLinker(TextAnalyticsClient client)
{
    var response = client.RecognizeLinkedEntities(
        "Our tour guide took us up the Space Needle during our trip to Seattle last week.");
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The code will detect the language of documents.	<input type="radio"/>	<input type="radio"/>
The url attribute returned for each linked entity will be a Bing search link.	<input type="radio"/>	<input type="radio"/>
The matches attribute returned for each linked entity will provide the location in a document where the entity is referenced.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The code will detect the language of documents.	<input type="radio"/>	<input checked="" type="radio"/>
The url attribute returned for each linked entity will be a Bing search link.	<input checked="" type="radio"/>	<input type="radio"/>
The matches attribute returned for each linked entity will provide the location in a document where the entity is referenced.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 262

HOTSPOT - (Topic 3)

You have an Azure subscription that contains an Azure OpenAI resource named AH. You build a chatbot that will use AI1 to provide generative answers to specific questions. You need to ensure that the responses are more creative and less deterministic.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
new ChatCompletionsOptions()
{
    Messages =
    {
        new ChatMessage(
            ChatRole.User, @"",
        ),
        Temperature = (float)1.0,
        ChatRole.User
        PresencePenalty
        Temperature
        TokenSelectionBiases
    },
    MaxTokens = 800,
};
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
new ChatCompletionsOptions()
{
    Messages =
    {
        new ChatMessage(
            ChatRole.User, @"",
        ),
        Temperature = (float)1.0,
        ChatRole.User
        PresencePenalty
        Temperature
        TokenSelectionBiases
    },
    MaxTokens = 800,
};
```

NEW QUESTION 265

- (Topic 3)  
You are building an Azure Weblob that will create knowledge bases from an array of URLs.  
You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.  
You need to develop a method to create the knowledge bases.  
Which two actions should you include in the method? Each correct answer presents part of the solution.  
NOTE: Each correct selection is worth one point.

- A. Create a list of FileDTO objects that represents data from the WebJob.
- B. Call the clien
- C. Knowledgebas
- D. CreateAsync method.
- E. Create a list of QnADTO objects that represents data from the WebJob.
- F. Create a CreaceKbDTO object.

Answer: AC

Explanation:

Reference:  
<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-qnamaker/qnamaker4.0/knowledgebase/create>

NEW QUESTION 267

HOTSPOT - (Topic 3)  
You are building an app that will process incoming email and direct email messages to either French or English language support teams.  
Which Azure Cognitive Services API should you use? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

https://

api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
eastus.api.cognitive.microsoft.com	/text/analytics/v3.1/languages
portal.azure.com	/translator/text/v3.0/translate?to=en
	/translator/text/v3.0/translate?to=fr

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

https://

api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
eastus.api.cognitive.microsoft.com	/text/analytics/v3.1/languages
portal.azure.com	/translator/text/v3.0/translate?to=en
	/translator/text/v3.0/translate?to=fr

NEW QUESTION 268

- (Topic 3)

You have an Azure Cognitive Search instance that indexes purchase orders by using Form Recognizer  
You need to analyze the extracted information by using Microsoft Power BI. The solution must minimize development effort.  
What should you add to the indexer?

- A. a table projection
- B. a projection group
- C. an object projection
- D. a file projection

Answer: C

NEW QUESTION 271

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

The 

ALTER
JOIN
SET
WHERE

 clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The 

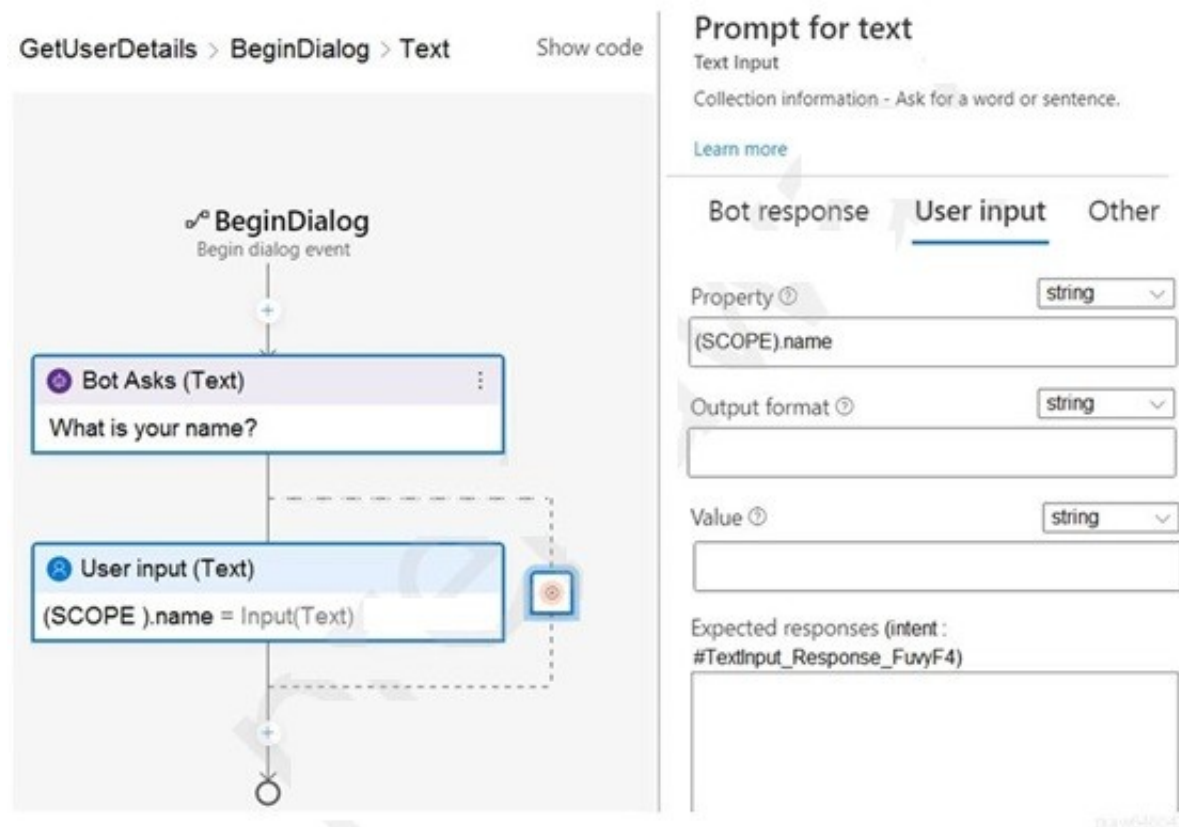
ALTER
JOIN
SET
WHERE

 clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

NEW QUESTION 275

- (Topic 3)

You are building a chatbot by using the Microsoft Bot Framework Composer as shown in the exhibit. (Click the Exhibit tab.)



The chatbot contains a dialog named GetUserDetails. GetUserDetails contains a TextInput control that prompts users for their name. The user input will be stored in a property named name. You need to ensure that you can dispose of the property when the last active dialog ends. Which scope should you assign to name?

- A. dialog
- B. user
- C. turn
- D. conversation

**Answer: A**

**Explanation:**

The dialog scope associates properties with the active dialog. Properties in the dialog scope are retained until the dialog ends.

Reference:

<https://docs.microsoft.com/en-us/composer/concept-memory?tabs=v2x>

**NEW QUESTION 276**

- (Topic 3)

What is a primary characteristic of a relational database?

- A. data is queried and manipulated by using a variant of the SQL language
- B. a lack of dependencies between tables
- C. a flexible data structure
- D. a large amount of duplicate data

**Answer: C**

**NEW QUESTION 281**

- (Topic 3)

Which statement is an example of Data Manipulation Language (DML)?

- A. Revoke
- B. UPDATE
- C. DROP
- D. CREATE

**Answer: B**

**NEW QUESTION 285**

HOTSPOT - (Topic 3)

You plan to deploy an Azure OpenAI resource by using an Azure Resource Manager (ARM) template.

You need to ensure that the resource can respond to 600 requests per minute.

How should you complete the template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer Area

```
{
  "type": "Microsoft.CognitiveServices/accounts/deployments",
  "apiVersion": "2023-05-01",
  "name": "arm-aoai-sample-resource/arm-je-std-deployment",
  "dependsOn": [
    "[resourceId('Microsoft.CognitiveServices/accounts', 'arm-aoai-sample-resource')]"
  ],
  "sku": {
    "name": "Standard",
    "capacity": 600,
    "count": 1,
    "maxValue": 100,
    "size": 600
  },
  "properties": {
    "model": {
      "format": "OpenAI",
      ...
    }
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
{
  "type": "Microsoft.CognitiveServices/accounts/deployments",
  "apiVersion": "2023-05-01",
  "name": "arm-aoai-sample-resource/arm-je-std-deployment",
  "dependsOn": [
    "[resourceId('Microsoft.CognitiveServices/accounts', 'arm-aoai-sample-resource')]"
  ],
  "sku": {
    "name": "Standard",
    "capacity": 600,
    "count": 1,
    "maxValue": 100,
    "size": 600
  },
  "properties": {
    "model": {
      "format": "OpenAI",
      ...
    }
  }
}
```

NEW QUESTION 288

- (Topic 3)

You build a Language Understanding model by using the Language Understanding portal. You export the model as a JSON file as shown in the following sample.

```
{
  "text": "average amount of rain by month at chicago last year",
  "intent": "Weather.CheckWeatherValue",
  "entities": [
    {
      "entity": "Weather.WeatherRange",
      "startPos": 0,
      "endPos": 6,
      "children": []
    },
    {
      "entity": "Weather.WeatherCondition",
      "startPos": 18,
      "endPos": 21,
      "children": []
    },
    {
      "entity": "Weather.Historic",
      "startPos": 23,
      "endPos": 30,
      "children": []
    }
  ]
}
```

To what does the Weather.Historic entity correspond in the utterance?

- A. by month
- B. chicago
- C. rain
- D. location

Answer: A

NEW QUESTION 290

HOTSPOT - (Topic 3)

You are developing a text processing solution. You develop the following method.

```
static void GetKeyPhrases(TextAnalyticsClient textAnalyticsClient, string text)
{
    var response = textAnalyticsClient.ExtractKeyPhrases(text);
    Console.WriteLine("Key phrases:");

    foreach (string keyphrase in response.Value)
    {
        Console.WriteLine($"{keyphrase}");
    }
}
```

You call the method by using the following code. GetKeyPhrases(textAnalyticsClient, "the cat sat on the mat");  
For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The call will output key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>
The output will contain the following words: the, cat, sat, on, and mat.	<input type="radio"/>	<input type="radio"/>
The output will contain the confidence level for key phrases.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The Key Phrase Extraction API evaluates unstructured text, and for each JSON document, returns a list of key phrases.

Box 2: No

'the' is not a key phrase.

This capability is useful if you need to quickly identify the main points in a collection of documents. For example, given input text "The food was delicious and there were wonderful staff", the service returns the main talking points: "food" and "wonderful staff".

Box 3: No

Key phrase extraction does not have confidence levels.

NEW QUESTION 295

DRAG DROP - (Topic 3)

You have a factory that produces cardboard packaging for food products. The factory has intermittent internet connectivity. The packages are required to include four samples of each product.

You need to build a Custom Vision model that will identify defects in packaging and provide the location of the defects to an operator. The model must ensure that each package contains the four products.

Which project type and domain should you use? To answer, drag the appropriate options to the correct targets. Each option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.

Options

Food

General

General (compact)

Image classification

Logo

Object detection

Answer Area

Project type:

Domain:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Options

Food

General

General (compact)

Image classification

Logo

Object detection

Answer Area

Project type:

Object detection

Domain:

Food

NEW QUESTION 298

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language. Users report that the responses of the chatbot lack formality when answering random questions that are outside the scope of the knowledge base.

You need to ensure that the chatbot provides formal responses to these spurious questions.

Solution: From Language Studio, you modify the question and answer pairs for the custom intents, and then retrain and republish the model.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 299

- (Topic 2)

You need to develop an extract solution for the receipt images. The solution must meet the document processing requirements and the technical requirements.

You upload the receipt images to the From Recognizer API for analysis, and the API returns the following JSON.

```
"documentResults": [
  {
    "docType": "prebuilt:receipt",
    "pageRange": [
      1,
      1
    ],
    "fields": {
      "ReceiptType": {
        "type": "string",
        "valueString": "Itemized",
        "confidence": 0.672
      },
      "MerchantName": {
        "type": "string",
        "valueString": "Tailwind",
        "text": "Tailwind",
        "boundingBox": [],
        "page": 1,
        "confidence": 0.913,
        "elements": [
          "#/readResults/0/lines/0/words/0"
        ]
      }
    }
  },
  ...
]
```

Which expression should you use to trigger a manual review of the extracted information by a member of the Consultant-Bookkeeper group?

- A. documentResults.docType == "prebuilt:receipt"
- B. documentResults.fields.".confidence < 0.7
- C. documentResults.fields.ReceiptType.confidence > 0.7
- D. documentResults.fields.MerchantName.confidence < 0.7

Answer: D

Explanation:

Need to specify the field name, and then use < 0.7 to handle trigger if confidence score is less than 70%.  
Reference:  
<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/api-v2-0/reference-sdk-api-v2-0>

NEW QUESTION 302

- (Topic 2)  
You are developing the knowledgebase by using Azure Cognitive Search.  
You need to meet the knowledgebase requirements for searching equivalent terms. What should you include in the solution?

- A. a synonym map
- B. a suggester
- C. a custom analyzer
- D. a built-in key phrase extraction skill

Answer: A

Explanation:

Within a search service, synonym maps are a global resource that associate equivalent terms, expanding the scope of a query without the user having to actually provide the term. For example, assuming "dog", "canine", and "puppy" are mapped synonyms, a query on "canine" will match on a document containing "dog".  
Create synonyms: A synonym map is an asset that can be created once and used by many indexes.  
Reference:  
<https://docs.microsoft.com/en-us/azure/search/search-synonyms>

NEW QUESTION 307

DRAG DROP - (Topic 2)  
You are developing a solution for the Management-Bookkeepers group to meet the document processing requirements. The solution must contain the following components:  
? A form Recognizer resource  
? An Azure web app that hosts the Form Recognizer sample labeling tool  
The Management-Bookkeepers group needs to create a custom table extractor by using the sample labeling tool.  
Which three actions should the Management-Bookkeepers group perform in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Actions

Train a custom model

Label the sample documents

Create a new project and load sample documents

Create a composite model

Answer Area

>

<

A. Mastered



B. Not Mastered

Answer: A

Explanation:

Step 1: Create a new project and load sample documents  
Create a new project. Projects store your configurations and settings.  
Step 2: Label the sample documents  
When you create or open a project, the main tag editor window opens.  
Step 3: Train a custom model. Finally, train a custom model.

NEW QUESTION 309

HOTSPOT - (Topic 1)  
You are planning the product creation project.  
You need to build the REST endpoint to create the multilingual product descriptions. How should you complete the URI? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

<div>▼</div> <div>api.cognitive.microsofttranslator.com</div> <div>api-nam.cognitive.microsofttranslator.com</div> <div>westus.tts.speech.microsoft.com</div> <div>wwics.cognitiveservices.azure.com/translator</div>	<div>▼</div> <div>/detect</div> <div>/languages</div> <div>/text-to-speech</div> <div>/translate</div>	?api-version=3.0&to=es&to=pt
---	--	------------------------------

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Box 1: api-nam.cognitive.microsofttranslator.com  
<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-reference>  
Box 2: /translate

NEW QUESTION 310

DRAG DROP - (Topic 1)  
You are planning the product creation project.  
You need to recommend a process for analyzing videos.  
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose four.)

Actions	Answer Area
Index the video by using the Video Indexer API.	
Upload the video to blob storage.	
Analyze the video by using the Computer Vision API.	
Extract the transcript from Microsoft Stream.	
Send the transcript to the Language Understanding API as an utterance.	
Extract the transcript from the Video Indexer API.	
Translate the transcript by using the Translator API.	
Upload the video to file storage.	

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Scenario: All videos must have transcripts that are associated to the video and included in product descriptions.

Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese.

Step 1: Upload the video to blob storage

Given a video or audio file, the file is first dropped into a Blob Storage. T

Step 2: Index the video by using the Video Indexer API.

When a video is indexed, Video Indexer produces the JSON content that contains details of the specified video insights. The insights include: transcripts, OCRs, faces, topics, blocks, etc.

Step 3: Extract the transcript from the Video Indexer API. Step 4: Translate the transcript by using the Translator API.

### NEW QUESTION 313

HOTSPOT - (Topic 1)

You need to develop code to upload images for the product creation project. The solution must meet the accessibility requirements.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);

    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);

    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

### NEW QUESTION 317

- (Topic 1)

You are developing the smart e-commerce project.

You need to implement autocompletion as part of the Cognitive Search solution. Which three actions should you perform? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. Make API queries to the autocomplete endpoint and include suggesterName in the body.
- B. Add a suggester that has the three product name fields as source fields.
- C. Make API queries to the search endpoint and include the product name fields in the searchFields query parameter.
- D. Add a suggester for each of the three product name fields.

- E. Set the searchAnalyzer property for the three product name variants.
- F. Set the analyzer property for the three product name variants.

Answer: ABF

Explanation:

Scenario: Support autocomplete and autosuggestion based on all product name variants. A: Call a suggester-enabled query, in the form of a Suggestion request or Autocomplete

request, using an API. API usage is illustrated in the following call to the Autocomplete REST API.

POST /indexes/myxboxgames/docs/autocomplete?search&api-version=2020-06-30

```
{
  "search": "minecraft", "suggesterName": "sg"
}
```

B: In Azure Cognitive Search, typeahead or "search-as-you-type" is enabled through a suggester. A suggester provides a list of fields that undergo additional tokenization, generating prefix sequences to support matches on partial terms. For example, a suggester that includes a City field with a value for "Seattle" will have prefix combinations of "sea", "seat", "seatt", and "seattl" to support typeahead.

F. Use the default standard Lucene analyzer ("analyzer": null) or a language analyzer (for example, "analyzer": "en.Microsoft") on the field.

Reference:

<https://docs.microsoft.com/en-us/azure/search/index-add-suggesters>

NEW QUESTION 320

HOTSPOT - (Topic 1)

You are developing the shopping on-the-go project. You need to build the Adaptive Card for the chatbot.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
version": "1.3",
"body": [
  {
    "type": "TextBlock",
    "size": "Medium",
    "weight": "Bolder",
    "text": "${
      if(language == 'en', 'en', name)
      name
      name.en
      name[language]
    }"
  },
  {
    "type": "TextBlock",
    "$when": "${stockLevel != 'OK'}"
    "$when": "${stockLevel == 'OK'}"
    "$when": "${stockLevel.OK}"
    color : Attention
  },
  {
    "type": "Image",
    "url": "${image.uri}",
    "size": "Medium",
    "altText": "${
      image.altText.en
      image.altText.language
      image.altText["language"]
      image.altText[language]
    }"
  }
]
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Description automatically generated Box 1: name.en

Box 2: "\$when": "\${stockLevel != 'OK'}"

Product displays must include images and warnings when stock levels are low or out of stock.

Box 3:image.altText.en

NEW QUESTION 325

DRAG DROP - (Topic 1)

You are developing the smart e-commerce project.  
You need to design the skillset to include the contents of PDFs in searches.  
How should you complete the skillset design diagram? To answer, drag the appropriate services to the correct stages. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

Services

Azure Blob storage

Custom Vision API

Azure Files

Language Understanding API

Translator API

Computer Vision API

Azure Cosmos DB

Answer Area

Source

Cracking

Preparation

Destination

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Blob storage  
At the start of the pipeline, you have unstructured text or non-text content (such as images, scanned documents, or JPEG files). Data must exist in an Azure data storage service that can be accessed by an indexer.  
Box 2: Computer Vision API  
Scenario: Provide users with the ability to search insight gained from the images, manuals, and videos associated with the products.  
The Computer Vision Read API is Azure's latest OCR technology (learn what's new) that extracts printed text (in several languages), handwritten text (English only), digits, and currency symbols from images and multi-page PDF documents.  
Box 3: Translator API  
Scenario: Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese.  
Box 4: Azure Files  
Scenario: Store all raw insight data that was generated, so the data can be processed later.

NEW QUESTION 330

.....



## Thank You for Trying Our Product

### We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questons and Answers in PDF Format

### AI-102 Practice Exam Features:

- \* AI-102 Questions and Answers Updated Frequently
- \* AI-102 Practice Questions Verified by Expert Senior Certified Staff
- \* AI-102 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- \* AI-102 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

**100% Actual & Verified — Instant Download, Please Click**  
**[Order The AI-102 Practice Test Here](#)**