

## AI-102 Dumps

### Designing and Implementing an Azure AI Solution

<https://www.certleader.com/AI-102-dumps.html>



### NEW QUESTION 1

HOTSPOT - (Topic 3)

You build a chatbot by using Azure OpenAI Studio.

You need to ensure that the responses are more deterministic and less creative. Which two parameters should you configure? To answer, select the appropriate parameters in the answer area.

NOTE: Each correct answer is worth one point.

Answer Area

The screenshot shows the Azure OpenAI Studio interface. On the left is the 'Chat session' panel with a 'Start chatting' button and a text input field. On the right is the 'Configuration' panel, which has two tabs: 'Deployment' and 'Parameters'. The 'Parameters' tab is active, showing several sliders and input fields. The 'Temperature' slider is set to 0.7 and the 'Top P' slider is set to 0.9. Both of these parameters are highlighted with green checkmarks, indicating they are the correct answers for making responses more deterministic and less creative. Other parameters shown include 'Max response' (800), 'Stop sequence', 'Frequency penalty' (0), and 'Presence penalty' (0). At the bottom of the Configuration panel, there is a 'Current token count' and an 'Input tokens progress indicator' showing 1/4000.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

This is a duplicate of the screenshot above, showing the Azure OpenAI Studio interface. The 'Configuration' panel is open, and the 'Temperature' and 'Top P' parameters are highlighted with green checkmarks, indicating they are the correct answers for making responses more deterministic and less creative.

### NEW QUESTION 2

HOTSPOT - (Topic 3)

You are creating an enrichment pipeline that will use Azure Cognitive Search. The knowledge store contains unstructured JSON data and scanned PDF documents that contain text.

Which projection type should you use for each data type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

JSON data:

	▼
File projection	
Object projection	
Table projection	

Scanned data:

	▼
File projection	
Object projection	
Table projection	

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Box 1: Object projection

Object projections are JSON representations of the enrichment tree that can be sourced from any node.

Box 2: File projection

File projections are similar to object projections and only act on the normalized\_images collection.

### NEW QUESTION 3

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

**Answer Area**

Relational data is stored in

a file system as unstructured data. a hierarchal folder structure. a tabular form of rows and columns. comma-separated value (CSV) files.
--

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

**Answer Area**

Relational data is stored in

a file system as unstructured data. a hierarchal folder structure. a tabular form of rows and columns. comma-separated value (CSV) files.
--

### NEW QUESTION 4

- (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 5

- (Topic 3)

You need to upload speech samples to a Speech Studio project. How should you upload the samples?

- A. Combine the speech samples into a single audio file in the .wma format and upload the file.
- B. Upload a .zip file that contains a collection of audio files in the .wav format and a corresponding text transcript file.

- C. Upload individual audio files in the FLAC format and manually upload a corresponding transcript in Microsoft Word format.  
D. Upload individual audio files in the .wma format.

**Answer:** B

**Explanation:**

To upload your data, navigate to the Speech Studio . From the portal, click Upload data to launch the wizard and create your first dataset. You'll be asked to select a speech data type for your dataset, before allowing you to upload your data.

The default audio streaming format is WAV

Use this table to ensure that your audio files are formatted correctly for use with Custom Speech:

Property	Value
File format	RIFF (WAV)
Sample rate	8,000 Hz or 16,000 Hz
Channels	1 (mono)
Maximum length per audio	2 hours
Sample format	PCM, 16-bit
Archive format	.zip
Maximum archive size	2 GB

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-custom-speech-test-and-train>

**NEW QUESTION 6**

DRAG DROP - (Topic 3)

You have a web app that uses Azure Cognitive Search.

When reviewing billing for the app, you discover much higher than expected charges. You suspect that the query key is compromised.

You need to prevent unauthorized access to the search endpoint and ensure that users only have read only access to the documents collection. The solution must minimize app downtime.

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.

**Actions**

- Add a new query key.
- Regenerate the secondary admin key.
- Change the app to use the secondary admin key.
- Change the app to use the new key.
- Regenerate the primary admin key.
- Delete the compromised key.

**Answer Area**



- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

**Actions**

Add a new query key.

Regenerate the secondary admin key.

Change the app to use the secondary admin key.

Change the app to use the new key.

Regenerate the primary admin key.

Delete the compromised key.

**Answer Area**

Add a new query key.

Change the app to use the new key.

Delete the compromised key.

#### NEW QUESTION 7

- (Topic 3)

You develop a custom question answering project in Azure Cognitive Service for Language. The project will be used by a chatbot. You need to configure the project to engage in multi-turn conversations. What should you do?

- A. Add follow-up prompts.
- B. Enable active learning.
- C. Add alternate questions.
- D. Enable chit-chat.

**Answer:** A

#### NEW QUESTION 8

- (Topic 3)

You are building a Language Understanding solution.

You discover that many intents have similar utterances containing airport names or airport codes.

You need to minimize the number of utterances used to train the model. Which type of custom entity should you use?

- A. Pattern.any
- B. machine-learning
- C. list
- D. regular expression

**Answer:** C

#### NEW QUESTION 9

- (Topic 3)

Your company needs to implement a relational database in Azure. The solution must minimize ongoing maintenance. Which Azure service should you use?

- A. SQL Server on Azure Virtual Machines
- B. Azure SQL Database
- C. Azure HDInsight
- D. Azure Cosmos DB

**Answer:** B

#### NEW QUESTION 10

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
Stream processing has access to the most recent data received or data within a rolling time window.	<input type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**Answer Area**

Statements	Yes	No
Stream processing has access to the most recent data received or data within a rolling time window.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	<input checked="" type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	<input type="radio"/>	<input checked="" type="radio"/>

#### NEW QUESTION 10

DRAG DROP - (Topic 3)

You plan to build a chatbot to support task tracking.

You create a Language Understanding service named lu1.

You need to build a 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. (Choose four.)

Actions	Answer Area
Train the application.	
Publish the application.	
Add a new application.	
Add example utterances.	
Add the prebuilt domain ToDo.	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

- \* 1. Add a new application
- \* 2. Add a prebuilt domain intent ToDo (it has already utterances so we can skip this step)
- \* 3. Train
- \* 4. Publish

#### NEW QUESTION 14

- (Topic 3)

You are examining the Language service output of an application.

The text analyzed is: Our tour guide took us up the Space Needle during our trip to Seattle last week.

The response contains the data shown in the following table.

Text	Category	ConfidenceScore
Tour guide	PersonType	0.45
Space Needle	Location	0.38
Trip	Event	0.78
Seattle	Location	0.78
Last week	DateTime	0.80

Which Language service API is used to analyze the Text?

- A. Entity Linking
- B. Named Entity Recognition
- C. Key Phrase Extraction
- D. Sentiment Analysis

**Answer:** B

#### NEW QUESTION 16

- (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 intent for location.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

NEW QUESTION 19

- (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 21

HOTSPOT - (Topic 3)

You are developing a text processing solution. You have the function shown below.

```
static void GetKeywords(TextAnalyticsClient textAnalyticsClient, string text)
{
    var response = textAnalyticsClient.RecognizeEntities (text);
    Console.WriteLine("Key words:");

    foreach (CategorizedEntity entity in response.Value)
    {
        Console.WriteLine($"{entity.Text}");
    }
}
```

For the second argument, you call the function and specify the following string. Our tour of Paris included a visit to the Eiffel Tower.  
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 output will include the following words: our and included.	<input type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
The output will include the following words: our and included.	<input checked="" type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input checked="" type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 22

DRAG DROP - (Topic 3)

You have a collection of Microsoft Word documents and PowerPoint presentations in German. You need to create a solution to translate the file to French. The solution must meet the following requirements:  
\* Preserve the original formatting of the files.

\* Support the use of s custom glossary.

You create a blob container for German files and a blob container for French files. You upload the original files to the container for German files. Which three actions should you perform in sequence actions from the list of actions to the answer area and arrange them in the correct order.

**Actions**

Perform an asynchronous translation by using the list of files to be translated.

Upload a glossary file to the container for German files.

Upload a glossary file to the container for French files.

Generate a list of files to be translated.

Define a document translation specification that has a French target.

Perform an asynchronous translation by using the document translation specification.

>

<

**Answer Area**

<

>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Actions**

Perform an asynchronous translation by using the list of files to be translated.

Upload a glossary file to the container for German files.

Upload a glossary file to the container for French files.

Generate a list of files to be translated.

Define a document translation specification that has a French target.

Perform an asynchronous translation by using the document translation specification.

>

<

**Answer Area**

Generate a list of files to be translated.

Define a document translation specification that has a French target.

Perform an asynchronous translation by using the document translation specification.

<

>

### NEW QUESTION 23

- (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 25

HOTSPOT - (Topic 3)

You have a bot that was built by using the Microsoft Bot Framework composer as shown in the following exhibit.

Edit

Disable

BotTourDialog > GetWeather

Show code

GetWeather

Intent recognized

Send a response

`$(SendActivity_SuggestedGetWeatherContent())`

GetWeather

Intent recognized

Actions to perform when specified intent is recognized.

Add a note

Trigger phrases

+ Add entity

- Insert entity

- please tell me the weather

- what is the weather like in {city=Seattle}

# ml city

Use the drop-down menus 10 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**

If a user asks "what is the weather like in New York", the bot will [answer choice].

Identify New York as a city entity

change to a different dialog

Identify New York as a city entity

Identify New York as a state entity

respond with the weather in Seattle

The GetWeather dialog uses a [answer choice] trigger.

Language Understanding Intent recognized

Custom events

Dialog events

Language Understanding Intent recognized

QnA Intent recognized



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Answer Area**

If a user asks "what is the weather like in New York", the bot will **[answer choice]**.

The GetWeather dialog uses a **[answer choice]** trigger.

Identify New York as a city entity  
change to a different dialog  
**Identify New York as a city entity**  
Identify New York as a state entity  
respond with the weather in Seattle

Language Understanding Intent recogn...  
Custom events  
Dialog events  
**Language Understanding Intent recognized**  
QnA Intent recognized

**NEW QUESTION 29**

HOTSPOT - (Topic 3)

You plan to provision Azure Cognitive Services resources by using the following method.

```
{
  CognitiveServicesAccount parameters =
    new CognitiveServicesAccount(null, null, kind, location, name,
      new CognitiveServicesAccountProperties(), new Sku(tier));
  result = client.Accounts.Create(resource_group_name, tier, parameters);
}
```

You need to create a Standard tier resource that will convert scanned receipts into text. How should you call the method? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

provision\_resource("res1",

FormRecognizer  
ComputerVision  
CustomVision.Prediction  
CustomVision.Training  
**FormRecognizer**

"eastus", "S1"  
**"eastus", "S1"**  
"useast", "S1"  
"S0", "eastus"  
"S0", "useast"

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Answer Area**

provision\_resource("res1",

FormRecognizer  
ComputerVision  
CustomVision.Prediction  
CustomVision.Training  
**FormRecognizer**

"eastus", "S1"  
**"eastus", "S1"**  
"useast", "S1"  
"S0", "eastus"  
"S0", "useast"

**NEW QUESTION 31**

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
...

```

("api.cognitive.microsofttranslator.com")  
("api-apc.cognitive.microsofttranslator.com")  
("api-nam.cognitive.microsofttranslator.com")

"/translate?from=en"  
"/translate?suggestedFrom=en"  
"/translate?to=en"  
"/detect?to=en"  
"/detect?from=en"

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



### NEW QUESTION 35

- (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 37

- (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 39

- (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 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 42

- (Topic 3)

You plan to provision a QnA Maker service in a new resource group named RG1. In RG1, you create an App Service plan named AP1.

Which two Azure resources are automatically created in RG1 when you provision the QnA Maker service? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Language Understanding
- B. Azure SQL Database

- C. Azure Storage
- D. Azure Cognitive Search
- E. Azure App Service

**Answer:** DE

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/set-up-qnamaker-service-azure?tabs=v1#delete-azure-resources>

"When you create a QnAMaker resource, you host the data in your own Azure subscription. Azure Search is used to index your data." & "When you create a QnAMaker resource, you host the runtime in your own Azure subscription. App Service is the compute engine that runs the QnA Maker queries for you."

**NEW QUESTION 43**

- (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 47**

- (Topic 3)

You need to build a chatbot that meets the following requirements:

? Supports chit-chat, knowledge base, and multilingual models

? Performs sentiment analysis on user messages

? Selects the best language model automatically

What should you integrate into the chatbot?

- A. QnA Maker, Language Understanding, and Dispatch
- B. Translator, Speech, and Dispatch
- C. Language Understanding, Text Analytics, and QnA Maker
- D. Text Analytics, Translator, and Dispatch

**Answer:** C

**Explanation:**

Language Understanding: An AI service that allows users to interact with your applications, bots, and IoT devices by using natural language.

QnA Maker is a cloud-based Natural Language Processing (NLP) service that allows you to create a natural conversational layer over your data. It is used to find the most appropriate answer for any input from your custom knowledge base (KB) of information.

Text Analytics: Mine insights in unstructured text using natural language processing (NLP)—no machine learning expertise required. Gain a deeper understanding of customer opinions with sentiment analysis. The Language Detection feature of the Azure Text Analytics REST API evaluates text input

Reference:

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

**NEW QUESTION 48**

- (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 49**

- (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 53**

- (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 55**

- (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 57**

- (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 61**

HOTSPOT - (Topic 3)

You are developing an application to recognize employees' faces by using the Face Recognition API. Images of the faces will be accessible from a URI endpoint.

The application has the following code.

```
static async void AddFace(string subscription_key, string personGroupId, string personId, string imageURI)
{
    var client = new HttpClient();
    client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", subscription_key);
    var endpointURI = $"https://westus.api.cognitive.microsoft.com/face/v1.0/persongroups/{personGroupId}/persons/{personId}/persistedFaces";
    HttpResponseMessage response;
    var body = "{ \"url\": \"" + imageURI + "\"}";
    var content = new StringContent(body, Encoding.UTF8, "application/json");
    var response = await client.PutAsync(endpointURI, content);
}
```

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 add a face image to a person object in a person group.	<input type="radio"/>	<input type="radio"/>
The code will work for a group of 10,000 people.	<input type="radio"/>	<input type="radio"/>
AddFace can be called multiple times to add multiple face images to a person object.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

B: see this example code from documentation that uses PersonGroup of size 10,000 : <https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>  
the question wants to trick you into thinking you need to use a LargePersonGroup for a size of 10,000 - but the documentation for it doesn't include this limitation or criteria: <https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-use-large-scale>

**NEW QUESTION 62**

- (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 65**

- (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 69**

- (Topic 3)

You plan create an index for an Azure Cognitive Search service by using the Azure portal. The Cognitive Search service will connect to an Azure SQL database

The Azure SQL database contains a table named UserMessages. Each row in User

Messages has a field named MessageCopy that contains the text of social media messages sent by a user

Users will perform full text searches against the MessageCopy field, and the values of the field will be shown to the users-

You need to configure the properties of the index for the MessageCopy field to support the solution.

Which attributes should you enable for the field?

- A. Searchable and Retrievable
- B. Sortable and Retrievable
- C. Searchable and Facetable
- D. Filterable and Retrievable

**Answer:** A

**NEW QUESTION 71**

- (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 75**

- (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 76**

- (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 81**

HOTSPOT - (Topic 3)

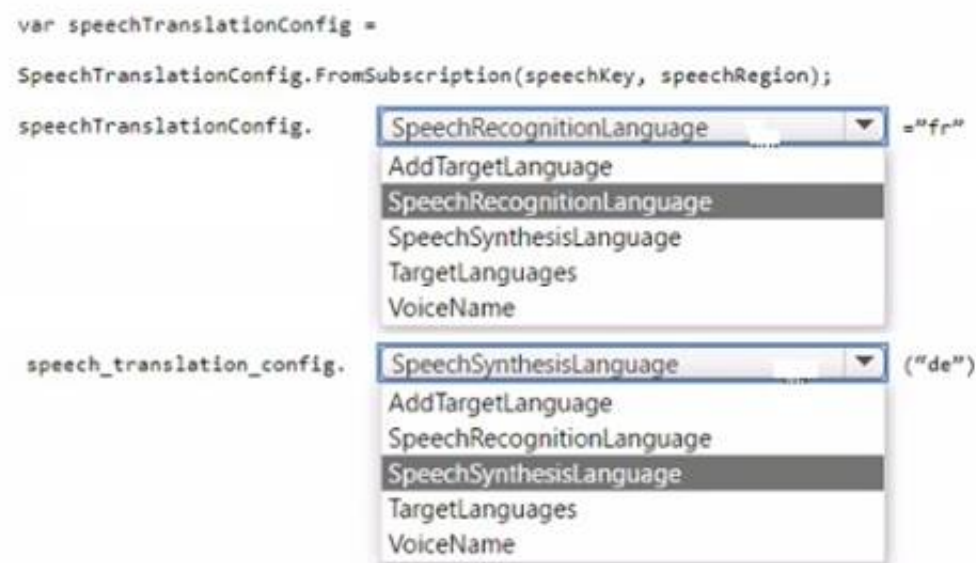
You are building an app by using the Speech SDK. The app will translate speech from French to German by using natural language processing.

You need to define the source language and the output 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

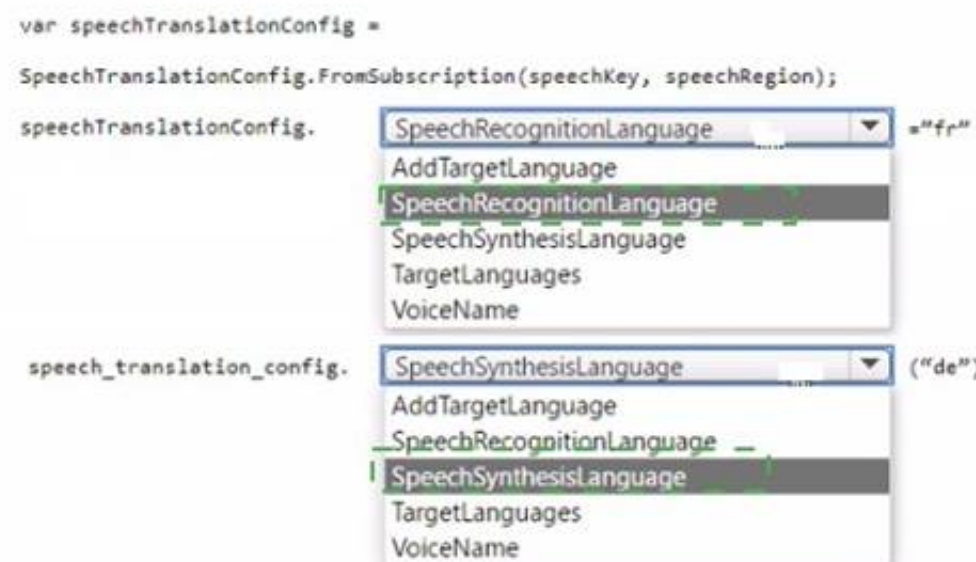


- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### Answer Area



#### NEW QUESTION 86

- (Topic 3)

You are training a Language Understanding model for a user support system.

You create the first intent named GetContactDetails and add 200 examples. You need to decrease the likelihood of a false positive.

What should you do?

- A. Enable active learning.
- B. Add a machine learned entity.
- C. Add additional examples to the GetContactDetails intent.
- D. Add examples to the None intent.

**Answer:** A

**Explanation:**

Active learning is a technique of machine learning in which the machine learned model is used to identify informative new examples to label. In LUIS, active learning refers to adding utterances from the endpoint traffic whose current predictions are unclear to improve your model.

Reference:

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

#### NEW QUESTION 90

HOTSPOT - (Topic 3)

You are building an Azure Cognitive Search custom skill. You have the following custom skill schema definition.

```
{
  "@odata.type": "#Microsoft.Skills.Custom.WebApiSkill",
  "description": "My custom skill description",
  "uri": "https://contoso-webskill.azurewebsites.net/api/process",
  "context": "/document/organizations/*",
  "inputs": [
    {
      "name": "companyName",
      "source": "/document/organizations/*"
    }
  ],
  "outputs": [
    {
      "name": "companyDescription",
    }
  ]
}
```

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

Answer Area	Statements	Yes	No
	CompanyDescription is available for indexing.	<input type="radio"/>	<input type="radio"/>
	The definition calls a web API as part of the enrichment process.	<input type="radio"/>	<input type="radio"/>
	The enrichment step is called only for the first organization under “/document/organizations”.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
Once you have defined a skillset, you must map the output fields of any skill that directly contributes values to a given field in your search index.  
Box 2: Yes  
The definition is a custom skill that calls a web API as part of the enrichment process.  
Box 3: No  
For each organization identified by entity recognition, this skill calls a web API to find the description of that organization.

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 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 private endpoint to vnet1. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

A private endpoint is a network interface that uses a private IP address from your virtual network. This network interface connects you privately and securely to a service powered by Azure Private Link. By enabling a private endpoint, you're bringing the service into your virtual network.  
The service could be an Azure service such as:  
? Azure Storage  
? Azure Cosmos DB  
? Azure SQL Database  
? Your own service using a Private Link Service.  
Reference:  
<https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-overview>

NEW QUESTION 92

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**

San Francisco  
Amsterdam



San Francisco  
Amsterdam

SFO  
AMS

SFO  
AMS

### Non-Stop

**Fri, Jun 2, 2017 11:55 PM**

San Francisco  
Amsterdam



San Francisco  
Amsterdam

SFO  
AMS

SFO  
AMS

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 94

- (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 98

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 100**

DRAG DROP - (Topic 3)

You have a monitoring solution that uses the Azure AI Anomaly Detector service. You provision a server named Server1 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:

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

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.

**NEW QUESTION 105**

- (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. readInputStreamAsync  
B. describeImageInStreamAsync  
C. toggleImageInStreamAsync  
D. analyzeImageByDomainInStreamAsync

Answer: D

**NEW QUESTION 108**

- (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 109**

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 bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Services**

**Answer Area**

Speaker Recognition

Speech to Text

Text Analytics

Text to Speech

Translator

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 112**

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 116

HOTSPOT - (Topic 3)  
You plan to deploy a containerized version of an Azure Cognitive Services service that will be used for text analysis.  
You configure <https://contoso.cognitiveservices.azure.com> as the endpoint URI for the service, and you pull the latest version of the Text Analytics Sentiment Analysis container.  
You need to run the container on an Azure virtual machine by using Docker.  
How should you complete the command? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.



```
docker run --rm -it -p 5000:5000 --memory 8g --cpus 1 \
\
http://contoso.blob.core.windows.net
https://contoso.cognitiveservices.azure.com
mcr.microsoft.com/azure-cognitive-services/textanalytics/keyphrase
mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment

Eula=accept \
Billing=
http://contoso.blob.core.windows.net
https://contoso.cognitiveservices.azure.com
mcr.microsoft.com/azure-cognitive-services/textanalytics/keyphrase
mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment

ApiKey=xxxxxxxxxxxxxxxxxxxxxx
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment  
To run the Sentiment Analysis v3 container, execute the following docker run command. docker run --rm -it -p 5000:5000 --memory 8g --cpus 1 \ mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment \ Eula=accept \ Billing={ENDPOINT\_URI} \ ApiKey={API\_KEY} is the endpoint for accessing the Text Analytics API. https://<your- custom-subdomain>.cognitiveservices.azure.com  
Box 2: https://contoso.cognitiveservices.azure.com  
{ENDPOINT\_URI} is the endpoint for accessing the Text Analytics API: https://<your- custom-subdomain>.cognitiveservices.a The endpoint for accessing the Text Analytics API. zure.com

NEW QUESTION 120

- (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 121

DRAG DROP - (Topic 3)  
You have an Azure subscription that contains an Azure OpenA1 resource named AH. You plan to build an app named App1 that will write press releases by using AM.  
You need to deploy an Azure OpenA1 model for Appl. The solution must minimize development effort.  
Which three actions should you perform in sequence in Azure OpenAI Studio? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Create a deployment that uses the text-embedding-ada-002 model.

Apply the Default system message template.

Create a deployment that uses the GPT-35 Turbo model.

Apply the Marketing Writing Assistant system message template.

Deploy the solution to a new web app.

Answer Area

>

<

↑

↓

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Create a deployment that uses the text-embedding-ada-002 model.

Apply the Default system message template.

Create a deployment that uses the GPT-35 Turbo model.

Apply the Marketing Writing Assistant system message template.

Deploy the solution to a new web app.

Answer Area

Create a deployment that uses the GPT-35 Turbo model.

Apply the Marketing Writing Assistant system message template.

Deploy the solution to a new web app.

NEW QUESTION 125

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.

Objects

Training Images

Performance

Predictions

Train

Quick Test

Iterations

Publish

Prediction URL

Delete

Export

Probability Threshold: 50%

Overlap Threshold: 30%

Iteration 1

Answer Area

The percentage of false positives is [answer choice].

The value for the number of true positives divided by the total number of true positives and false negatives is [answer choice]%.

0

25

30

50

100

0

25

30

50

100

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The percentage of false positives is [answer choice].

The value for the number of true positives divided by the total number of true positives and false negatives is [answer choice]%.

0

25

30

50

100

0

25

30

50

100

NEW QUESTION 126

DRAG DROP - (Topic 3)

You have a Language Understanding solution that runs in a Docker container.

You download the Language Understanding container image from the Microsoft Container Registry (MCR).

You need to deploy the container image to a host computer.

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.

Actions

From the Language Understanding portal, retrain the model.

From the host computer, run the container and specify the input directory.

From the Language Understanding portal, export the solution as a package file.

From the host computer, move the package file to the Docker input directory.

From the host computer, build the container and specify the output directory.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

From the Language Understanding portal, retrain the model.

From the host computer, run the container and specify the input directory.

From the Language Understanding portal, export the solution as a package file.

From the host computer, move the package file to the Docker input directory.

From the host computer, build the container and specify the output directory.

Answer Area

From the Language Understanding portal, export the solution as a package file.

From the host computer, move the package file to the Docker input directory.

From the host computer, build the container and specify the output directory.

NEW QUESTION 128

HOTSPOT - (Topic 3)

You are building a chatbot by using the Microsoft Bot Framework SDK. You use an object named `UserProfile` to store user profile information and an object named `ConversationData` to store information related to a conversation. You create the following state accessors to store both objects in state.

```
var userStateAccessors = _userState.CreateProperty<UserProfile>(nameof(UserProfile)); var conversationStateAccessors = _conversationState.CreateProperty<ConversationData>(nameof(ConversationData));
```

The state storage mechanism is set to Memory Storage. 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 create and maintain the <code>UserProfile</code> object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The code will create and maintain the <code>ConversationData</code> object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The <code>UserProfile</code> and <code>ConversationData</code> objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
You create property accessors using the `CreateProperty` method that provides a handle to the `BotState` object. Each state property accessor allows you to get or set the value of the associated state property.

Box 2: Yes  
Box 3: No  
Before you exit the turn handler, you use the state management objects' `SaveChangesAsync()` method to write all state changes back to storage.

NEW QUESTION 129

DRAG DROP - (Topic 3)

You are building a transcription service for technical podcasts. Testing reveals that the service fails to transcribe technical terms accurately. You need to improve the accuracy of the service. Which five 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.

Actions

Create a Speaker Recognition model.

Create a Conversational Language Understanding model.

Create a Custom Speech project.

Create a speech-to-text model.

Upload training datasets.

Train the model.

Deploy the model.

Answer Area

- A. Mastered
- B. Not Mastered



**Answer:** A

**Explanation:**

<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/custom-speech-overview#how-does-it-work>

With Custom Speech, you can upload your own data, test and train a custom model, compare accuracy between models, and deploy a model to a custom endpoint.

- Create a project and choose a model. Use a Speech resource that you create in the Azure portal. If you will train a custom model with audio data, choose a Speech resource region with dedicated hardware for training audio data.
- Upload test data. Upload test data to evaluate the speech to text offering for your applications, tools, and products.
- Train a model. Provide written transcripts and related text, along with the corresponding audio data. Testing a model before and after training is optional but recommended.
- Deploy a model. Once you're satisfied with the test results, deploy the model to a custom endpoint. With the exception of batch transcription, you must deploy a custom endpoint to use a Custom Speech model.

**NEW QUESTION 133**

HOTSPOT - (Topic 3)

You are building a chatbot.

You need to use the Content Moderator API to identify aggressive and sexually explicit language.

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

NOTE: Each correct selection is worth one point.

Microsoft Cognitive Services

Content Moderator - Moderate

Text - Screen

The operation detects profanity in more than 100 languages and match against custom and shared blacklists.

Host

Name: uksouth.api.cognitive.microsoft

Query parameters

Parameter	Value	Action
autocorrect	Value	Remove parameter
Pii	Value	Remove parameter
listid	Value	Remove parameter
classify	false	Remove parameter
language	Value	Remove parameter

+ Add parameter

Headers

Header	Value	Action
Content-Type	text/plain	Remove header
Ocp-Apim-Subscription-Key	Value	Remove header

+ Add header

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 136

- (Topic 3)

You are examining the Text Analytics output of an application.

The text analyzed is: "Our tour guide took us up the Space Needle during our trip to Seattle last week."

The response contains the data shown in the following table.

Text	Category	ConfidenceScore
Tour guide	PersonType	0.45
Space Needle	Location	0.38
Trip	Event	0.78
Seattle	Location	0.78
Last week	DateTime	0.80

Which Text Analytics API is used to analyze the text?

- A. Sentiment Analysis
- B. Named Entity Recognition
- C. Entity Linking
- D. Key Phrase Extraction

**Answer:** B

#### NEW QUESTION 138

- (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 142**

- (Topic 3)

You have a mobile app that manages printed forms.

You need the app to send images of the forms directly to Forms Recognizer to extract relevant information. For compliance reasons, the image files must not be stored in the cloud.

In which format should you send the images to the Form Recognizer API endpoint?

- A. raw image binary
- B. form URL encoded
- C. JSON

**Answer:** A

**NEW QUESTION 143**

- (Topic 3)

You are developing an application that will use Azure Cognitive Search for internal documents.

You need to implement document-level filtering for Azure Cognitive Search.

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

NOTE: Each correct selection is worth one point.

- A. Send Azure AD access tokens with the search request.
- B. Retrieve all the groups.
- C. Retrieve the group memberships of the user.
- D. Add allowed groups to each index entry.
- E. Create one index per group.
- F. Supply the groups as a filter for the search requests.

**Answer:** CDF

**Explanation:**

Your documents must include a field specifying which groups have access. This information becomes the filter criteria against which documents are selected or rejected from the result set returned to the issuer.

D: A query request targets the documents collection of a single index on a search service. CF: In order to trim documents based on group\_ids access, you should issue a search

query with a group\_ids/any(g:search.in(g, 'group\_id1, group\_id2,...')) filter, where 'group\_id1, group\_id2,...' are the groups to which the search request issuer belongs.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-security-trimming-for-azure-search>

**NEW QUESTION 147**

- (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 152**

HOTSPOT - (Topic 3)

You create a knowledge store for Azure Cognitive Search by using the following JSON.

```
"knowledgeStore": {
  "storageConnectionString": "DefaultEndpointsProtocol=https;AccountName=<Acct Name>;AccountKey=<Acct Key>;",
  "projections": [
    {
      "tables": [
        {
          "tableName": "unrelatedDocument",
          "generatedKeyName": "Documentid",
          "source": "/document/pbiShape"
        },
        {
          "tableName": "unrelatedKeyPhrases",
          "generatedKeyName": "KeyPhraseid",
          "source": "/document/pbiShape/keyPhrases"
        }
      ]
    },
    {
      "storageContainer": "unrelatedocrlayout",
      "source": null,
      "sourceContext": "/document/normalized_images/*/layoutText",
      "inputs": [
        {
          "name": "ocrLayoutText",
          "source": "/document/normalized_images/*/layoutText"
        }
      ]
    }
  ],
  "files": []
}
```

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**

There will be [answer choice].

Images will [answer choice]

no projection groups  
one projection group  
two projection groups  
four projection groups

not be saved.  
be saved to a blob container.  
be saved to file storage.  
be saved to an Azure Data lake.

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

There will be [answer choice].

Images will [answer choice]

no projection groups  
one projection group  
two projection groups  
four projection groups

not be saved.  
be saved to a blob container.  
be saved to file storage.  
be saved to an Azure Data lake.

#### NEW QUESTION 154

HOTSPOT - (Topic 3)

You need to create a new resource that will be used to perform sentiment analysis and optical character recognition (OCR). The solution must meet the following requirements:

- ? Use a single key and endpoint to access multiple services.
- ? Consolidate billing for future services that you might use.
- ? Support the use of Computer Vision in the future.

How should you complete the HTTP request to create the new resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

▼

https://management.azure.com/subscriptions/xxxxxxx-xxxx-

PATCH

POST

PUT

xxxx-xxxx-  
xxxxxxxxxxxxx/resourceGroups/RG1/providers/Microsoft.CognitiveServices/  
accounts/CS1?api-version=2017-04-18

{  
 "location": "West US",  
 "kind": "

▼

",  

CognitiveServices

ComputerVision

TextAnalytics

  
 "sku": {  
 "name": "S0"  
 },  
 "properties": {},  
 "identity": {  
 "type": "SystemAssigned"  
 }  
}

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: PUT  
Sample Request: PUT https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/test-rg/providers/Microsoft.DeviceUpdate/accounts/contoso?api-version=2020-03-01-preview

NEW QUESTION 157

HOTSPOT - (Topic 3)

You are developing an application that will use the Computer Vision client library. The application has the following code.

```
public async TaskAnalyzeImage(ComputerVisionClient client, string localImage)
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes>()
    {
        VisualFeatureTypes.Description,
        VisualFeatureTypes.Tags,
    };
    using (Stream imageStream = File.OpenRead(localImage))
    {
        try
        {
            ImageAnalysis results = await client.AnalyzeImageInStreamAsync(imageStream, features);

            foreach (var caption in results.Description.Captions)
            {
                Console.WriteLine($"{caption.Text} with confidence {caption.Confidence}");
            }

            foreach (var tag in results.Tags)
            {
                Console.WriteLine($"{tag.Name} {tag.Confidence}");
            }
        }
        catch (Exception ex)
        {
            Console.WriteLine(ex.Message);
        }
    }
}
```

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 perform face recognition.	<input type="radio"/>	<input type="radio"/>
The code will list tags and their associated confidence.	<input type="radio"/>	<input type="radio"/>
The code will read a file from the local file system.	<input type="radio"/>	<input type="radio"/>



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

### Answer Area

Statements	Yes	No
The code will perform face recognition.	<input type="radio"/>	<input checked="" type="radio"/>
The code will list tags and their associated confidence.	<input checked="" type="radio"/>	<input type="radio"/>
The code will read a file from the local file system.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 161

- (Topic 3)

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. reduced administrative effort for managing the server infrastructure
- B. complete control over backup and restore processes
- C. in-database machine learning services S3
- D. access to the latest features

**Answer:** AD

#### NEW QUESTION 162

- (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 167

HOTSPOT - (Topic 3)

You are building a model that will be used in an iOS app.

You have images of cats and dogs. Each image contains either a cat or a dog.

You need to use the Custom Vision service to detect whether the images is of a cat or a dog.

How should you configure the project in the Custom Vision portal? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Project Types:	<div><div></div><div>Classification</div><div>Object Detection</div></div>
Classification Types:	<div><div></div><div>Multiclass (Single tag per image)</div><div>Multilabel (Multiple tags per image)</div></div>
Domains:	<div><div></div><div>Audit</div><div>Food</div><div>General</div><div>General (compact)</div><div>Landmarks</div><div>Landmarks (compact)</div><div>Retail</div><div>Retail (compact)</div></div>

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Classification

Box 2: Multiclass

A multiclass classification project is for classifying images into a set of tags, or target labels. An image can be assigned to one tag only.

Box 3: General

General: Optimized for a broad range of image classification tasks. If none of the other specific domains are appropriate, or if you're unsure of which domain to choose, select one of the General domains.

NEW QUESTION 168

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 <code>url</code> attribute returned for each linked entity will be a Bing search link.	<input type="radio"/>	<input type="radio"/>
The <code>matches</code> 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 <code>url</code> attribute returned for each linked entity will be a Bing search link.	<input checked="" type="radio"/>	<input type="radio"/>
The <code>matches</code> 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 169

- (Topic 3)

You need to create a visualization of running sales totals per quarter as shown in the following exhibit.



What should you create in Cover BI Desktop;1

- A. a waterfall chart
- B. a ribbon chart
- C. a bar chart
- D. a decomposition tree

Answer: C

NEW QUESTION 170

HOTSPOT - (Topic 3)

You are building a chatbot for a Microsoft Teams channel by using the Microsoft Bot Framework SDK. The chatbot will use the following code.

```
protected override async Task OnMembersAddedAsync(IList<ChannelAccount>
membersAdded, ITurnContext<IConversationUpdateActivity> turnContext,
CancellationTokens cancellationTokens)
{
    foreach (var member in membersAdded)
        if (member.Id != turnContext.Activity.Recipient.Id)
            await turnContext.SendActivityAsync($"Hi there - {member.Name}.
{WelcomeMessage}", cancellationTokens: cancellationTokens);
}
```

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
OnMembersAddedAsync will be triggered when a user joins the conversation.	<input type="radio"/>	<input type="radio"/>
When a new user joins the conversation, the existing users in the conversation will see the chatbot greeting.	<input type="radio"/>	<input type="radio"/>
OnMembersAddedAsync will be initialized when a user sends a message.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The ActivityHandler.OnMembersAddedAsync method overrides this in a derived class to provide logic for when members other than the bot join the conversation, such as your bot's welcome logic.

Box 2: Yes

membersAdded is a list of all the members added to the conversation, as described by the conversation update activity.

Box 3: No

NEW QUESTION 174

- (Topic 3)

You are building an Azure WebJob 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 client
- 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 175**

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

api.cognitive.microsofttranslator.com

eastus.api.cognitive.microsoft.com

portal.azure.com

/text/analytics/v3.1/entities/recognition/general

/text/analytics/v3.1/entities/recognition/general

/text/analytics/v3.1/languages

/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

api.cognitive.microsofttranslator.com

eastus.api.cognitive.microsoft.com

portal.azure.com

/text/analytics/v3.1/entities/recoognition/general

/text/analytics/v3.1/entities/recognition/general

/text/analytics/v3.1/languages

/translator/text/v3.0/translate?to=en

/translator/text/v3.0/translate?to=fr

**NEW QUESTION 179**

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a

graph.

table.

partition key.

document.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a

graph.

table.

partition key.

document.

**NEW QUESTION 181**

- (Topic 3)

You have an Azure Cognitive Services model named Model that identifies the intent of text input. You develop an app in C# named App1. You need to configure App1 to use Model1. Which package should you add to App1?

- A. Azure.AI.Language.Conversations
- B. SpeechServicesToolkit
- C. Universal.Microsoft.CognitiveServices.Speech
- D. Xamarin.Cognitive.Speech

**Answer:** C



**NEW QUESTION 184**

DRAG DROP - (Topic 3)

You train a Custom Vision model used in a mobile app.

You receive 1,000 new images that do not have any associated data.

You need to use the images to retrain the model. The solution must minimize how long it takes to retrain the model.

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

Actions	Answer Area
Upload the images by category.	
Get suggested tags.	
Upload all the images.	⬅
Group the images locally into category folders.	➡
Review the suggestions and confirm the tags.	
Tag the images manually.	⬆

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1) upload all the images 2.) Get suggested tags 3.) Review the suggestions and confirm the tags

**NEW QUESTION 188**

- (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 192**

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 194

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 195

- (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 198**

DRAG DROP - (Topic 3)

You have a chatbot that uses a QnA Maker application.

You enable active learning for the knowledge base used by the QnA Maker application. You need to integrate user input into 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		Answer Area
Add a task to the Azure resource.		
Approve and reject suggestions.		
Publish the knowledge base.		
Modify the automation task logic app to run an Azure Resource Manager template that creates the Azure Cognitive Services resource.	⬅️ ➡️	⬆️ ⬆️
For the knowledge base, select Show active learning suggestions.		
Save and train the knowledge base.		
Select the properties of the Azure Cognitive Services resource.		

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: For the knowledge base, select Show active learning suggestions.

In order to see the suggested questions, on the Edit knowledge base page, select View Options, then select Show active learning suggestions.

Step 2: Approve and reject suggestions.

Each QnA pair suggests the new question alternatives with a check mark, ✓, to accept the question or an x to reject the suggestions. Select the check mark to add the question.

Step 3: Save and train the knowledge base.

Select Save and Train to save the changes to the knowledge base. Step 4: Publish the knowledge base.

Select Publish to allow the changes to be available from the GenerateAnswer API.

When 5 or more similar queries are clustered, every 30 minutes, QnA Maker suggests the alternate questions for you to accept or reject.

**NEW QUESTION 202**

- (Topic 3)

You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service.

You plan to deploy the bot to Azure.

You register the bot by using the Bot Channels Registration service.

Which two values are required to complete the deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. botId
- B. tenanclId
- C. appld
- D. objeccld
- E. appSecrec

**Answer:** CE

**Explanation:**

Reference:

<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md>

**NEW QUESTION 207**

- (Topic 2)

You are developing the chatbot.

You create the following components:

\* A QnA Maker resource

\* A chatbot by using the Azure Bot Framework SDK.

You need to integrate the components to meet the chatbot requirements. Which property should you use?

A. QnADialogResponseOptions.CardNoMatchText

B. Qna MakerOptions-ScoreThreshold

C. Qna Maker Options StrickFilters

D. QnaMakerOptions.RankerType

**Answer: D**

**Explanation:**

Scenario: When the response confidence score is low, ensure that the chatbot can provide other response options to the customers.

When no good match is found by the ranker, the confidence score of 0.0 or "None" is returned and the default response is "No good match found in the KB". You can override this default response in the bot or application code calling the endpoint. Alternately, you can also set the override response in Azure and this changes the default for all knowledge bases deployed in a particular QnA Maker service.

Choosing Ranker type: By default, QnA Maker searches through questions and answers. If you want to search through questions only, to generate an answer, use the RankerType=QuestionOnly in the POST body of the GenerateAnswer request.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/best-practices>

**NEW QUESTION 208**

- (Topic 2)

You are developing the chatbot.

You create the following components:

• A QnA Maker resource

• A chatbot by using the Azure Bot Framework SDK

You need to add an additional component to meet the technical requirements and the chatbot requirements. What should you add?

A. Dispatch

B. chatdown

C. Language Understanding

D. Microsoft Translator

**Answer: A**

**Explanation:**

Scenario: All planned projects must support English, French, and Portuguese.

If a bot uses multiple LUIS models and QnA Maker knowledge bases (knowledge bases), you can use the Dispatch tool to determine which LUIS model or QnA Maker knowledge base best matches the user input. The dispatch tool does this by creating a single LUIS app to route user input to the correct model.

Reference:

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

**NEW QUESTION 210**

HOTSPOT - (Topic 2)

You are developing the knowledgebase by using Azure Cognitive Search. You need to build a skill that will be used by indexers.

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**

```
{
  "@odata.type": "#Microsoft.Skills.Text.EntityRecognitionSkill",
  "categories": [],
  "categories": [ "Email", "Persons", "Organizations",
  "categories": [ "Locations", "Persons", "Organizations",
  "minimumPrecision": 0.7,
  "inputs": [
    { "name": "text",
      "source": "/document/content" }
  ],
  "outputs": [
    { "name": "persons", "targetName": "people",
    { "name": "locations", "targetName": "locations",
    { "name": "organizations", "targetName": "organizations",
    { "name": "entities" }
    { "name": "categories" }
    { "name": "namedEntities" }
  ]
}
```

A. Mastered

B. Not Mastered



**Answer:** A

**Explanation:**

Box 1: "categories": ["Locations", "Persons", "Organizations"], Locations, Persons, Organizations are in the outputs.

Scenario: Contoso plans to develop a searchable knowledgebase of all the intellectual property

Note: The categories parameter is an array of categories that should be extracted. Possible category types: "Person", "Location", "Organization", "Quantity", "Datetime", "URL", "Email". If no category is provided, all types are returned.

Box 2: {"name": " entities"}

The include wikis, so should include entities in the outputs.

Note: entities is an array of complex types that contains rich information about the entities extracted from text, with the following fields

name (the actual entity name. This represents a "normalized" form) wikipediaId

wikipediaLanguage

wikipediaUrl (a link to Wikipedia page for the entity) etc.

**NEW QUESTION 213**

- (Topic 2)

You are developing the knowledgebase.

You use Azure Video Analyzer for Media (previously Video indexer) to obtain transcripts of webinars.

You need to ensure that the solution meets the knowledgebase requirements. What should you do?

- A. Create a custom language model
- B. Configure audio indexing for videos only
- C. Enable multi-language detection for videos
- D. Build a custom Person model for webinar presenters

**Answer:** B

**Explanation:**

Can search content in different formats, including video

Audio and video insights (multi-channels). When indexing by one channel, partial result for those models will be available.

Keywords extraction: Extracts keywords from speech and visual text.

Named entities extraction: Extracts brands, locations, and people from speech and visual text via natural language processing (NLP).

**NEW QUESTION 217**

- (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 218**

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	Answer Area
Train a custom model	
Label the sample documents	>
Create a new project and load sample documents	<
Create a composite model	

- 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 222

- (Topic 1)

You are developing the smart e-commerce project.

You need to implement autocomplete 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": "minecraf", "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 227

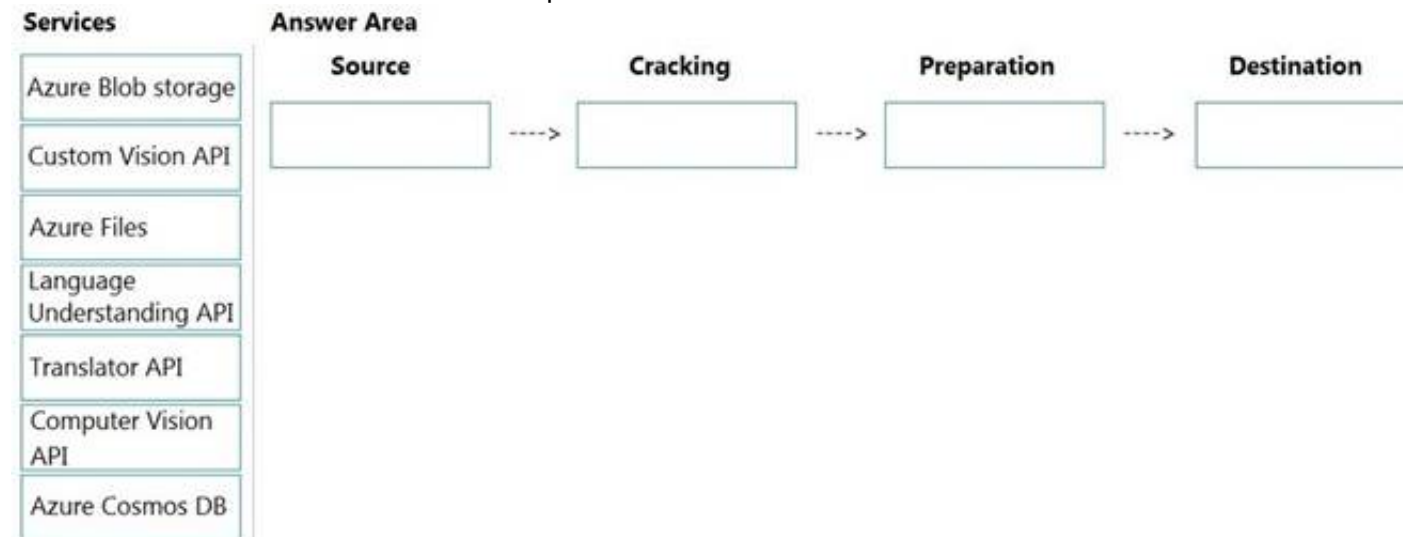
DRAG DROP - (Topic 1)

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.



- 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 231**

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