

Exam Questions AI-102

Designing and Implementing an Azure AI Solution

<https://www.2passeasy.com/dumps/AI-102/>



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 is open to the 'Parameters' tab. The parameters listed are: Max response (800), Temperature (0.7), Top P (0.9), Stop sequence (Stop sequences), Frequency penalty (0), and Presence penalty (0). 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 is open to the 'Parameters' tab. The parameters listed are: Max response (800), Temperature (0.7), Top P (0.9), Stop sequence (Stop sequences), Frequency penalty (0), and Presence penalty (0). 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

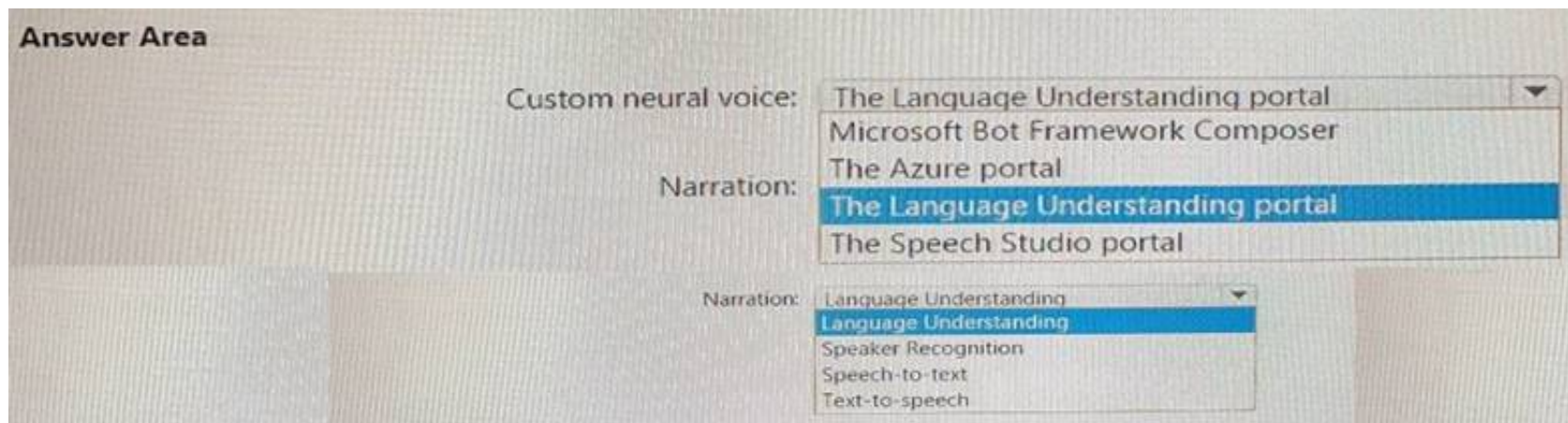
HOTSPOT - (Topic 3)

You are building content for a video training solution.

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

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

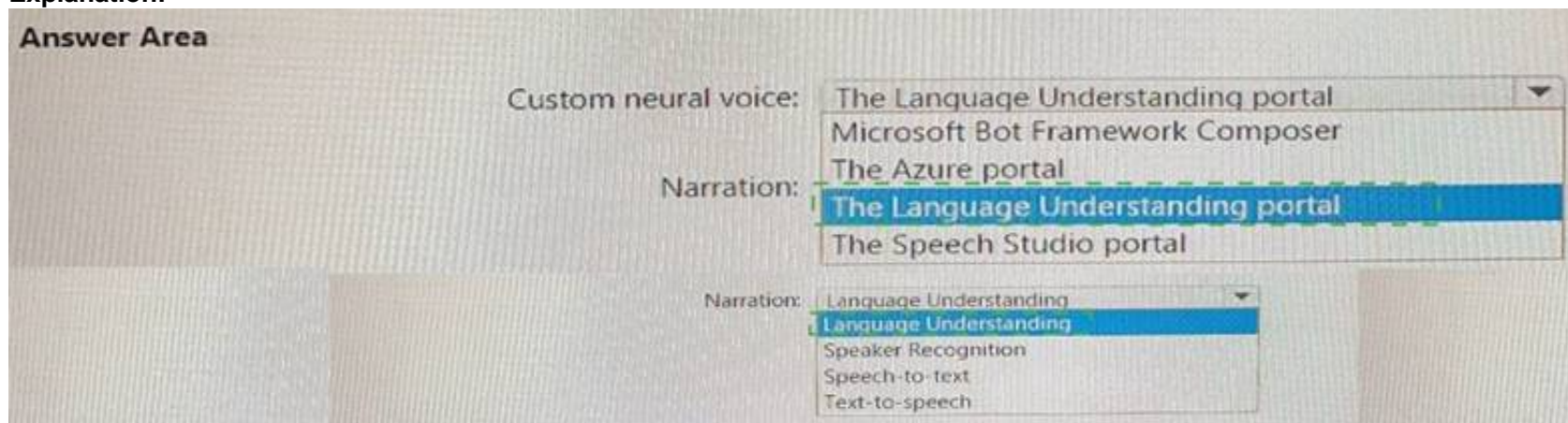
NOTE: Each correct answer is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 3

- (Topic 3)

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

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

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

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

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

Solution: You deploy service1 and a public endpoint, and you configure an IP firewall rule. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/private-link-overview>

NEW QUESTION 4

- (Topic 3)

You are building a retail kiosk system that will use a custom neural voice. You acquire audio samples and consent from the voice talent. You need to create a voice talent profile.

What should you upload to the profile?

- A. a five-minute wav or mp3 file of the voice talent describing the kiosk system
- B. a five-minute .flac audio file and the associated transcript as a w file
- C. a .wav or mp3 file of the voice talent consenting to the creation of a synthetic version of their voice
- D. a .zip file that contains 10-second .wav files and the associated transcripts as .txt files

Answer: D

NEW QUESTION 5

- (Topic 3)

You need to recommend a non-relational data store that is optimized for storing and retrieving text files, videos, audio streams, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file. Which type of data store should you recommend?

- A. columnar
- B. key/value
- C. document
- D. object

Answer: D

NEW QUESTION 6

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

- A data analyst
- A data engineer
- A data scientist
- A database administrator

is responsible for creating visuals and charts that help a company make informed decisions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

- A data analyst
- A data engineer
- A data scientist
- A database administrator

is responsible for creating visuals and charts that help a company make informed decisions.

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)

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 9

- (Topic 3)

You are developing an app that will use the Decision and Language APIs.

You need to provision resources for the app. The solution must ensure that each service is accessed by using a single endpoint and credential. Which type of resource should you create?

- A. Language
- B. Speech
- C. Azure Cognitive Services
- D. Content Moderator

Answer: C

NEW QUESTION 10

- (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 10

- (Topic 3)

You build a conversational bot named bot1.

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

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

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

Answer: C

Explanation:

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

Reference:

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

NEW QUESTION 15

HOTSPOT - (Topic 3)

You are building a bot and that will use Language Understanding. You have a LUDown file that contains the following content.

```
## Confirm
- confirm
- ok
- yes

## ExtractName
- call me steve !
- i am anna
- (i'm|i am) {@PersonName.Any}[.]
- my name is {@PersonName.Any}[.]

## Logout
- forget me
- log out

## SelectItem
- choose last
- choose the {@DirectionalReference=bottom left}
- choose {@DirectionalReference=top right}
- i like {@DirectionalReference=left} one

## SelectNone
- none

@m1 DirectionalReference
@prebuilt personName
```

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.

SelectItem is [answer choice].

a domain

an entity

an intent

an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain

an entity

an intent

an utterance

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

SelectItem is [answer choice].

a domain

an entity

an intent

an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain

an entity

an intent

an utterance

NEW QUESTION 18

- (Topic 3)

What are two uses of data visualization? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Communicate the significance of data.
- B. Represent trends and patterns over time.
- C. Implement machine learning to predict future values.
- D. Enforce business logic across reports.

Answer: AB

NEW QUESTION 20

HOTSPOT - (Topic 3)

You are developing an application that includes language translation.

The application will translate text retrieved by using a function named `getTextToBeTranslated`. 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.

```

* * *
var endpoint =
    "https://api.cognitive.microsofttranslator.com/translate";
    "https://api.cognitive.microsofttranslator.com/transliterate";
    "https://api-apc.cognitive.microsofttranslator.com/detect";
    "https://api-nam.cognitive.microsofttranslator.com/detect";
    "https://api-nam.cognitive.microsofttranslator.com/translate";

var apiKey = "FF956C68B83B21B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + "?from=en";
var uri = endpoint + "?suggestedFrom=en";
var uri = endpoint + "?to=en";

HttpResponseMessage response;
var content = new StringContent(body, Encoding.UTF8, "application/json");
var response = await client.PutAsync(uri, content);
* * *

```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

```

* * *
var endpoint =
    "https://api.cognitive.microsofttranslator.com/translate";
    "https://api.cognitive.microsofttranslator.com/transliterate";
    "https://api-apc.cognitive.microsofttranslator.com/detect";
    "https://api-nam.cognitive.microsofttranslator.com/detect";
    "https://api-nam.cognitive.microsofttranslator.com/translate";

var apiKey = "FF956C68B83B21B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + "?from=en";
var uri = endpoint + "?suggestedFrom=en";
var uri = endpoint + "?to=en";

HttpResponseMessage response;
var content = new StringContent(body, Encoding.UTF8, "application/json");
var response = await client.PutAsync(uri, content);
* * *

```

NEW QUESTION 25

- (Topic 3)

You have a factory that produces food products.

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

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

Which service should you use?

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

Answer: A

NEW QUESTION 29

- (Topic 3)

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

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

Answer: C

NEW QUESTION 33

- (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 38

- (Topic 3)

You deploy a web app that is used as a management portal for indexing in Azure Cognitive Search. The app is configured to use the primary admin key. During a security review, you discover unauthorized changes to the search index. You suspect that the primary access key is compromised. You need to prevent unauthorized access to the index management endpoint. The solution must minimize downtime. What should you do next?

- A. Regenerate the primary admin key, change the app to use the secondary admin key, and then regenerate the secondary admin key.
- B. Change the app to use a query key, and then regenerate the primary admin key and the secondary admin key.
- C. Regenerate the secondary admin key, change the app to use the secondary admin key, and then regenerate the primary key.
- D. Add a new query key, change the app to use the new query key, and then delete all the unused query keys.

Answer: C

NEW QUESTION 39

- (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 43

- (Topic 3)

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

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

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

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

Answer: AC

NEW QUESTION 44

- (Topic 3)

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

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

Answer: A

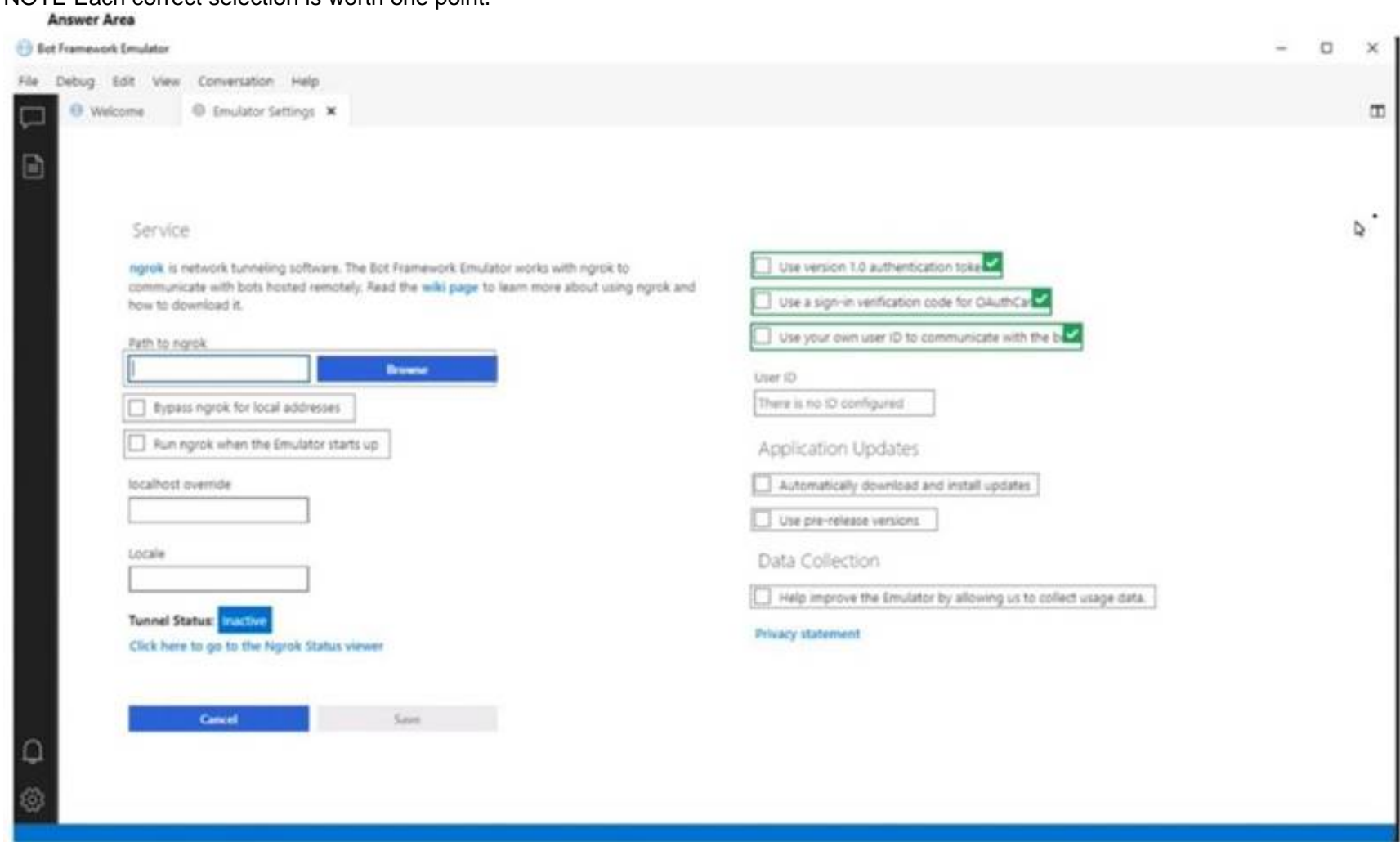
NEW QUESTION 47

HOTSPOT - (Topic 3)

You have a chatbot.

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

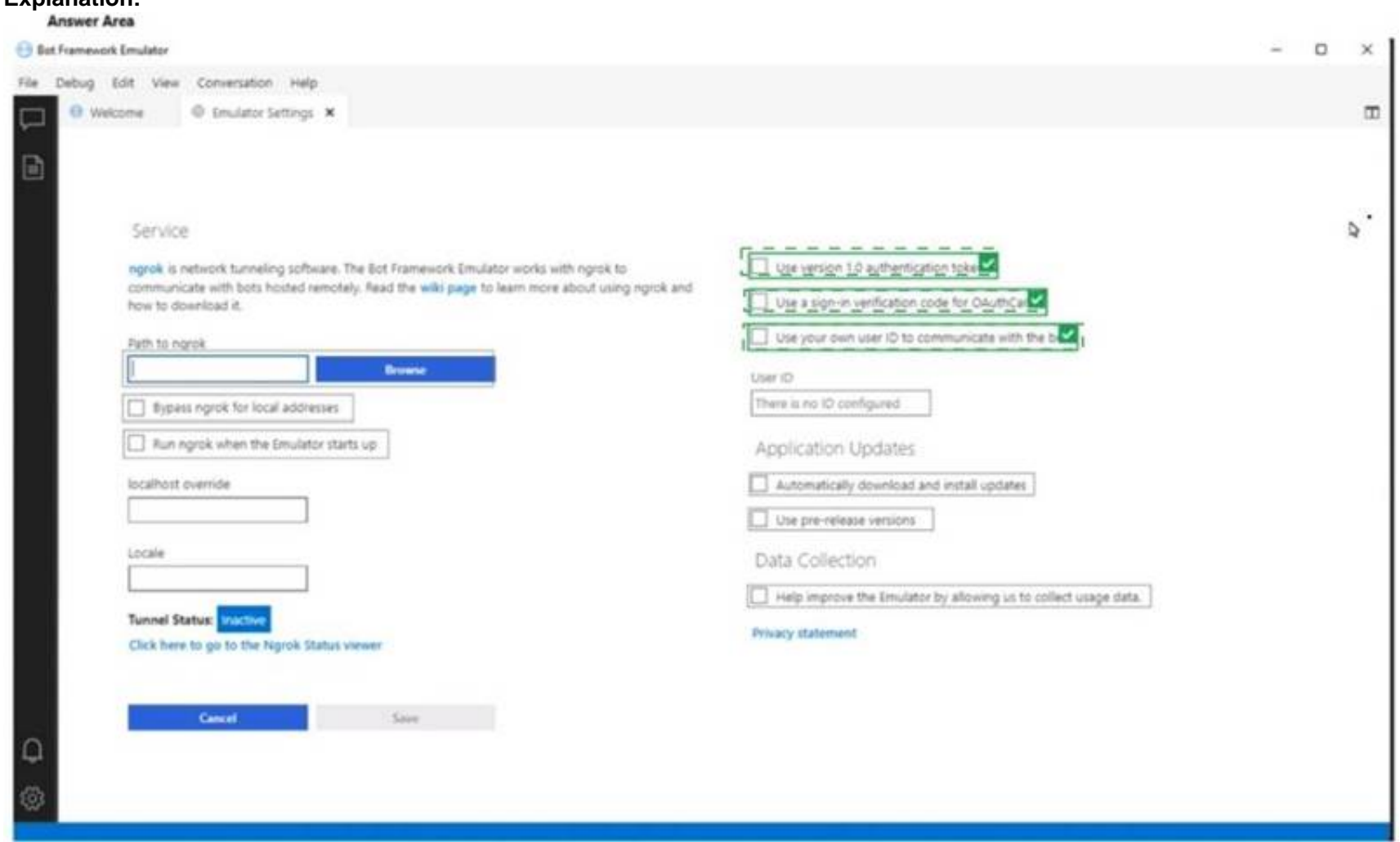
Which three settings should you configure? To answer, select the appropriate settings in the answer area.
NOTE Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 48

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

A JSON document is an example of

graph data.

relational data.

semi-structured data.

unstructured data.

- A. Mastered

B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 51

- (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 54

- (Topic 3)

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

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

Answer: C

NEW QUESTION 55

- (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 58

- (Topic 3)

You plan to perform predictive maintenance.

You collect IoT sensor data from 100 industrial machines for a year. Each machine has 50 different sensors that generate data at one-minute intervals. In total, you have 5,000 time series datasets.

You need to identify unusual values in each time series to help predict machinery failures. Which Azure Cognitive Services service should you use?

- A. Anomaly Detector
- B. Cognitive Search
- C. Form Recognizer
- D. Custom Vision

Answer: A

NEW QUESTION 61

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
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input type="radio"/>
Normalizing a database reduces data redundancy.	<input type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 64

- (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 69

HOTSPOT - (Topic 3)

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

Greet(user)

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

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

- \${ welcomeUser(user.name) }

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

- \${ welcomeUser() }

Box 2: No
Greet(User) is a Send a response action. Box 3: Yes

NEW QUESTION 73

HOTSPOT - (Topic 3)

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

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 74

DRAG DROP - (Topic 3)

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

Actions

Add the prebuilt domain ToDo.

Add a new application.

Add example utterances.

Train the application.

Publish the application.

Answer Area

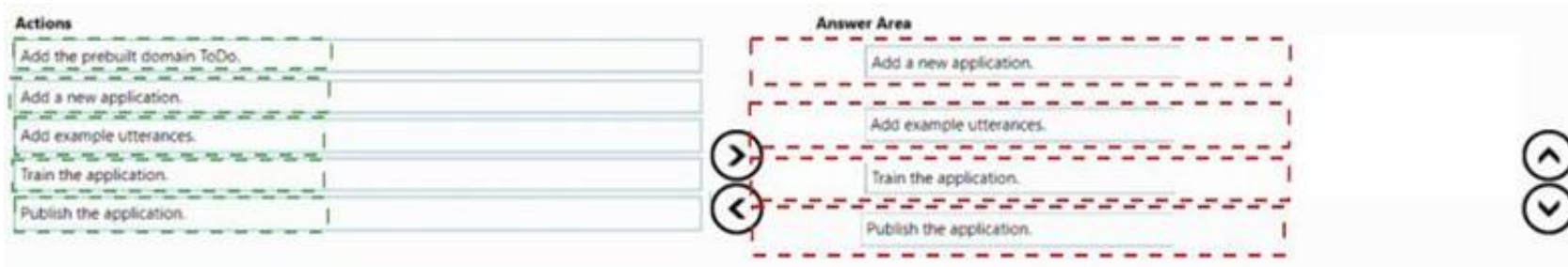
>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 75

- (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.

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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 77

- (Topic 3)

You are building a bot on a local computer by using the Microsoft Bot Framework. The bot will use an existing Language Understanding model.

You need to translate the Language Understanding model locally by using the Bot Framework CLI. What should you do first?

A. From the Language Understanding portal, clone the model.

B. Export the model as an .lu file.

C. Create a new Speech service.

D. Create a new Language Understanding service.

Answer: B

Explanation:

You might want to manage the translation and localization for the language understanding content for your bot independently.

Translate command in the @microsoft/bf-lu library takes advantage of the Microsoft text translation API to automatically machine translate .lu files to one or more than 60+ languages supported by the Microsoft text translation cognitive service.

What is translated?

An .lu file and optionally translate Comments in the lu file LU reference link texts

List of .lu files under a specific path.

Reference:

<https://github.com/microsoft/botframework-cli/blob/main/packages/luis/docs/translate-command.md>

NEW QUESTION 81

HOTSPOT - (Topic 3)

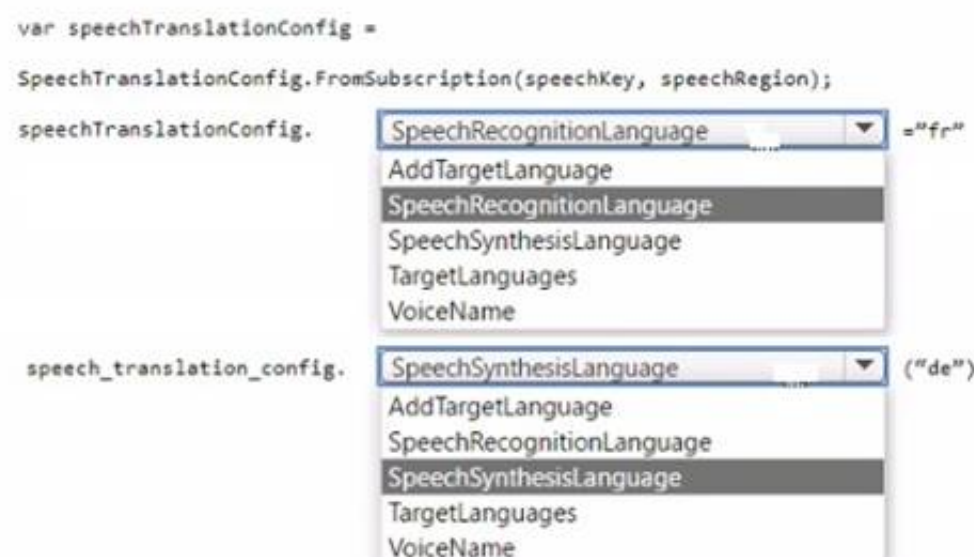
You are building an app by using the Speech SDK. The app will translate speech from French to German by using natural language processing.

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

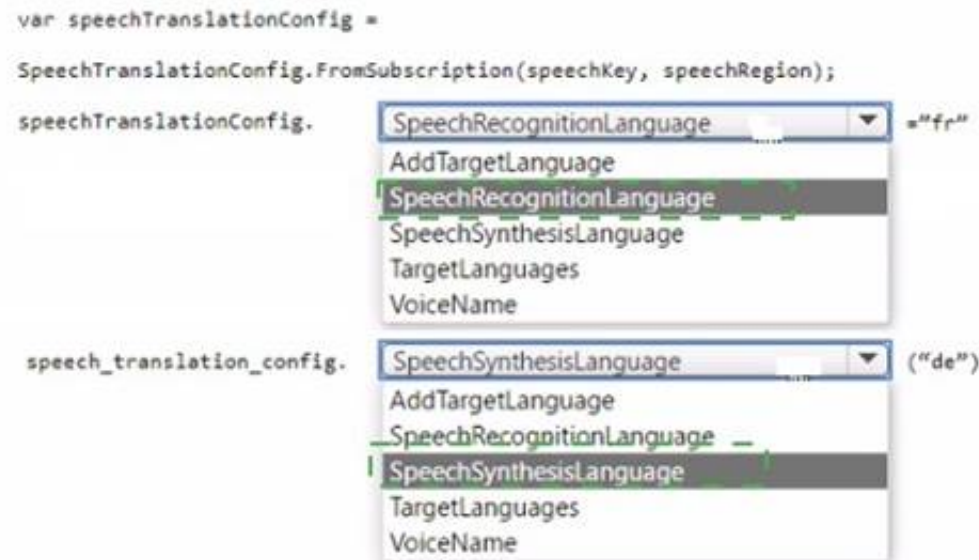


- A. Mastered
B. Not Mastered

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 88

DRAG DROP - (Topic 3)

You have 100 chatbots that each has its own Language Understanding model. Frequently, you must add the same phrases to each model.

You need to programmatically update the Language Understanding models to include the new phrases.

How should you complete the code? 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	Answer Area
AddPhraseListAsync	var phraselistId = await client.Features. <input type="text"/>
Phraselist	(appId, versionId, new <input type="text"/>)
PhraselistCreateObject	{
Phrases	EnabledForAllModels = false,
SavePhraselistAsync	IsExchangeable = true,
UploadPhraseListAsync	Name = "PL1",
	Phrases = "item1,item2,item3,item4,item5"
	});

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: AddPhraseListAsync Example: Add phraselist feature

var phraselistId = await client.Features.AddPhraseListAsync(appId, versionId, new

PhraselistCreateObject

```
{
  EnabledForAllModels = false, IsExchangeable = true, Name = "QuantityPhraselist", Phrases = "few,more,extra"
};
```

Box 2: PhraselistCreateObject

NEW QUESTION 89

- (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 91

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 94

- (Topic 3)

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

You plan to monitor the sales system to ensure that it provides equitable results regardless of the user's location or background.

Which two responsible AI principles provide guidance to meet the monitoring requirements? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

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

Answer: BC

Explanation:

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

NEW QUESTION 96

- (Topic 3)

You need to measure the public perception of your brand on social media messages. Which Azure Cognitive Services service should you use?

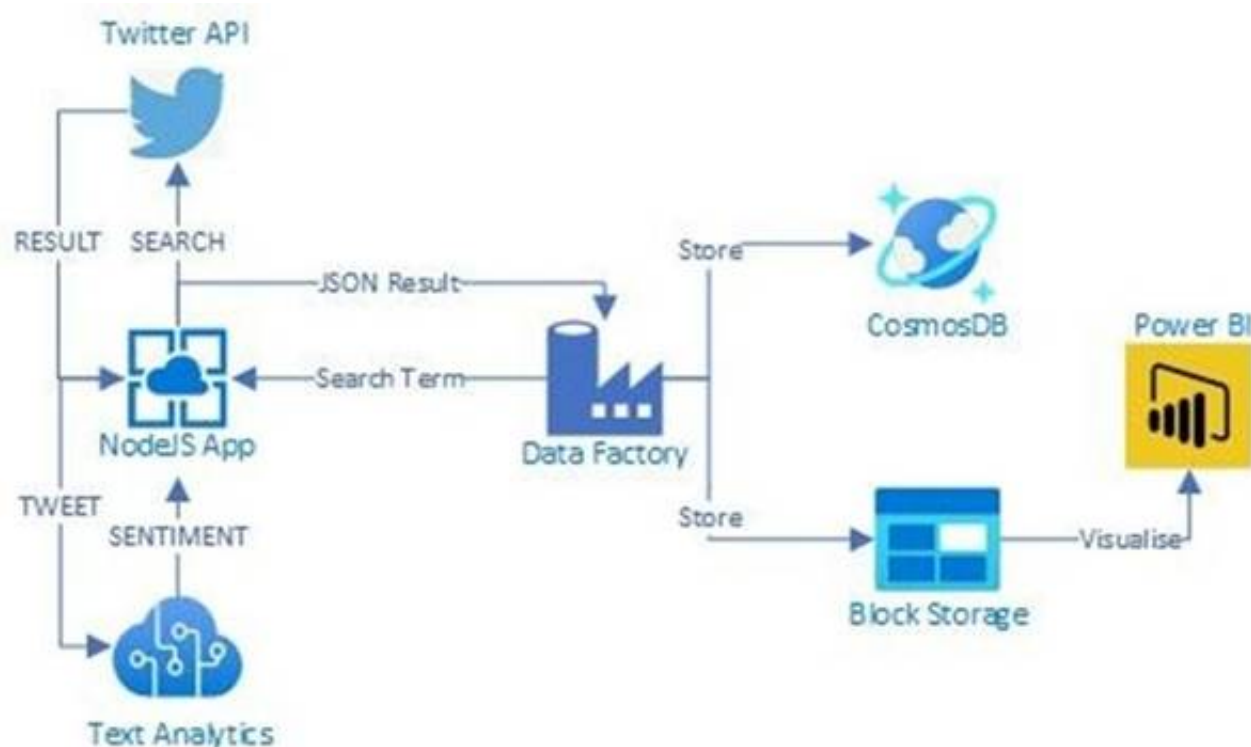
- A. Text Analytics
- B. Content Moderator
- C. Computer Vision
- D. Form Recognizer

Answer: A

Explanation:

Text Analytics Cognitive Service could be used to quickly determine the public perception for a specific topic, event or brand.

Example: A NodeJS app which pulls Tweets from Twitter using the Twitter API based on a specified search term. Then pass these onto Text Analytics for sentiment scoring before storing the data and building a visualisation in PowerBI. The Architecture looked something like this:



Reference:

<https://www.linkedin.com/pulse/measuring-public-perception-azure-cognitive-services- steve-dalai>

NEW QUESTION 97

- (Topic 3)

Which Azure Storage service implements the key/value model?

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

Answer: C

NEW QUESTION 102

- (Topic 3)

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

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

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use a new intent for location.

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

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

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

NEW QUESTION 107

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 112

HOTSPOT - (Topic 3)

You have an Azure subscription that contains an Azure AI Document Intelligence resource named DM.

You build an app named App1 that analyzes PDF files for handwritten content by using DM.

You need to ensure that App1 will recognize the handwritten content.

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

```
Uri fileUri = new Uri("<fileUri>");
AnalyzeDocumentOperation operation = await client.AnalyzeDocumentFromUriAsync(WaitUntil.Completed,
AnalyzeResult result = operation.Value;
foreach (DocumentStyle style in result.Styles)
{
    bool isHandwritten = style.IsHandwritten.HasValue && style.IsHandwritten == true;
    if (isHandwritten && style.Confidence > 0.75 )
    {
        Console.WriteLine($"Handwritten content found:");
        foreach (DocumentSpan span in style.Spans)
        {
            Console.WriteLine($" Content: {result.Content.Substring(span.Index, span.Length)}");
        }
    }
}
```

prebuilt-document, fileUri);
prebuilt-document,
prebuilt-contract,
prebuilt-read,

0.75
0.1
0.75
1.0

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

```
Uri fileUri = new Uri("<fileUri>");

AnalyzeDocumentOperation operation = await client.AnalyzeDocumentFromUriAsync(WaitUntil.Completed, fileUri);
AnalyzeResult result = operation.Value;
foreach (DocumentStyle style in result.Styles)
{
    bool isHandwritten = style.IsHandwritten.HasValue && style.IsHandwritten == true;
    if (isHandwritten && style.Confidence > 0.75 )
    {

        Console.WriteLine($"Handwritten content found:");
        foreach (DocumentSpan span in style.Spans)
        {
            Console.WriteLine($" Content: {result.Content.Substring(span.Index, span.Length)}");
        }
    }
}
```

prebuilt-document

prebuilt-document

prebuilt-contract

prebuilt-read

NEW QUESTION 117

DRAG DROP - (Topic 3)

You have a Custom Vision service project that performs object detection. The project uses the General domain for classification and contains a trained model. You need to export the model for use on a network that is disconnected from the internet. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list o' actions to the answer area and arrange them in the correct order.

Actions

Change Domains to General (compact).

Retrain the model.

Create a new classification model.

Change the classification type.

Export the model.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Change Domains to General (compact).

Retrain the model.

Create a new classification model.

Change the classification type.

Export the model.

Answer Area

Create a new classification model.

Change the classification type.

Export the model.

NEW QUESTION 122

DRAG DROP - (Topic 3)

You Build a bot in JavaScript. From the Azure Command-Line interface (CLI), you run the following command. az bot prepare-deploy You need to deploy the bot to Azure. Which three Azure CLI commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the client order.

Commands

az ad app credential

az ad app create

az deployment group create

az webapp deployment source config-zip

az ad app update

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

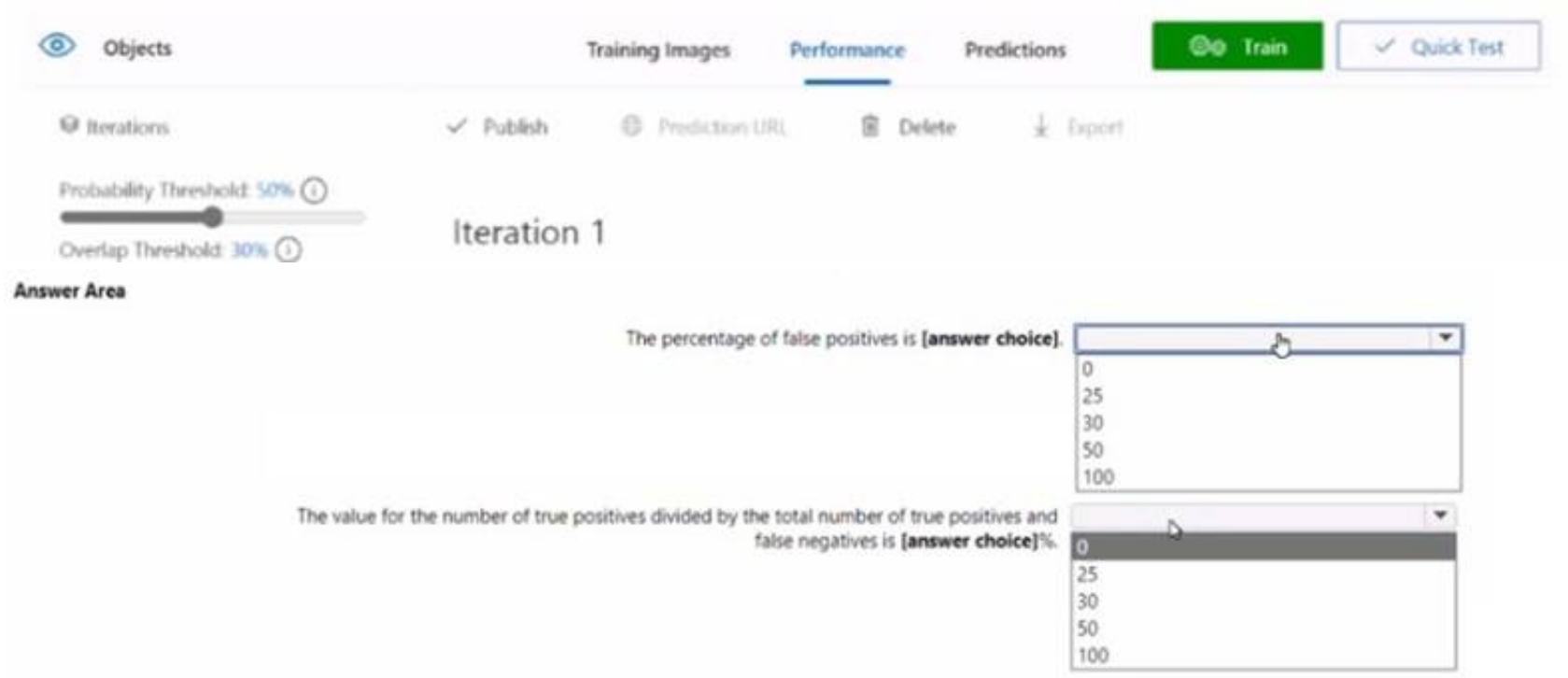
Explanation:

To deploy the bot to Azure, you should run the following three Azure CLI commands in sequence:
? az deployment group create This command will create the Azure resources for your bot using an ARM template and a parameters file. You need to specify the resource group name, the template file path, and the parameters file path. For example:
az deployment group create --resource-group myResourceGroup --template-file "deploymentTemplates\template-with-preexisting-rg.json" --parameters

“deploymentTemplates\parameters-for-template-BotApp-with-rg.json”
This command will also output the app ID and password of your bot, which you will need for the next command1.
? az webapp deployment source config-zip This command will deploy your bot code
to the app service that you created in the previous step. You need to specify the resource group name, the app service name, and the zip file path of your bot
code. For example:
az webapp deployment source config-zip --resource-group myResourceGroup --name myBotAppService --src “code.zip”
This command will also output the URL of your bot endpoint, which you will need for the next command2.
? az ad app update This command will update your bot registration with the endpoint
URL of your bot. You need to specify the app ID of your bot and the endpoint URL. For example:
az ad app update --id myBotAppId --set replyUrls=“https://myBotAppService.azurewebsites.net/api/messages”
This command will complete the deployment process and make your bot ready to be tested3.

NEW QUESTION 124

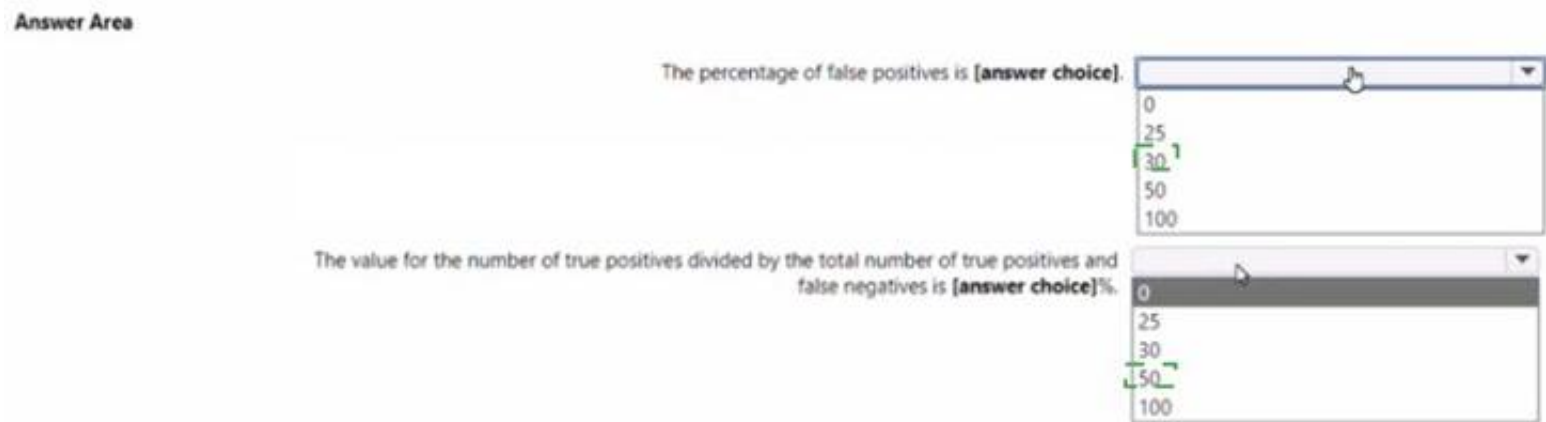
HOTSPOT - (Topic 3)
You are building a model to detect objects in images.
The performance of the model based on training data is shown in the following exhibit.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 129

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 133

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

&u2191

&u2193

- 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 138

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

Image

Text

Content Moderator - Moderate

Text - Screen

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

Host

Name

Query parameters

autocorrect	<input type="text" value="Value"/>	✕ Remove parameter
Pii	<input type="text" value="Value"/>	✕ Remove parameter
listId	<input type="text" value="Value"/>	✕ Remove parameter
classify	<input type="text" value="false"/>	✕ Remove parameter
language	<input type="text" value="Value"/>	✕ Remove parameter

[+ Add parameter](#)

Headers

Content-Type	<input type="text" value="text/plain"/>	✕ Remove header
Ocp-Apim-Subscription-Key	<input type="text" value="Value"/>	✕ Remove header

[+ Add header](#)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Microsoft Cognitive Services

Image

Text

Content Moderator - Moderate

Text - Screen

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

Host

Name

Query parameters

autocorrect	<input type="text" value="Value"/>	✕ Remove parameter
Pii	<input type="text" value="Value"/>	✕ Remove parameter
listId	<input type="text" value="Value"/>	✕ Remove parameter
classify	<input type="text" value="false"/>	✕ Remove parameter
language	<input type="text" value="Value"/>	✕ Remove parameter

[+ Add parameter](#)

Headers

Content-Type	<input type="text" value="text/plain"/>	✕ Remove header
Ocp-Apim-Subscription-Key	<input type="text" value="Value"/>	✕ Remove header

[+ Add header](#)

NEW QUESTION 142

- (Topic 3)

You develop a Conversational Language Understanding model by using Language Studio

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

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

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

Answer: A

NEW QUESTION 144

DRAG DROP - (Topic 3)

You have a question answering project in Azure Cognitive Service for Language.

You need to move the project to a Language service instance in a different Azure region. 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 new Language service instance, import the project file.

From the new Language service instance, enable custom text classification.

From the new Language service instance, train and publish the project.

From the original Language service instance, export the existing project.

From the new Language service instance, regenerate the keys.

From the original Language service instance, train and publish the model.

>

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Answer Area

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

From the new Language service instance, import the project file.

From the new Language service instance, enable custom text classification.

From the new Language service instance, train and publish the project.

From the original Language service instance, export the existing project.

From the new Language service instance, regenerate the keys.

From the original Language service instance, train and publish the model.

>

<

Answer Area

From the original Language service instance, export the existing project.

From the new Language service instance, regenerate the keys.

From the original Language service instance, train and publish the model.

^

^

)

)

NEW QUESTION 145

HOTSPOT - (Topic 3)

You are developing an internet-based training solution for remote learners.

Your company identifies that during the training, some learners leave their desk for long periods or become distracted.

You need to use a video and audio feed from each learner's computer to detect whether the learner is present and paying attention. The solution must minimize development effort and identify each learner.

Which Azure Cognitive Services service should you use for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From a learner's video feed, verify whether the learner is present:

Face

Speech

Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face

Speech

Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face

Speech

Text Analytics

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

From a learner's video feed, verify whether the learner is present:

Face
Speech
Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face
Speech
Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face
Speech
Text Analytics

NEW QUESTION 147

- (Topic 3)

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

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

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

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

    ReadOperationResult results;

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

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

During testing, you discover that the call to the GetReadResultAsync method occurs before the read operation is complete.

You need to prevent the GetReadResultAsync method from proceeding until the read operation is complete.

Which two actions should you perform? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

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

Answer: BD

Explanation:

Example code : do

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

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

Reference:

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

NEW QUESTION 151

DRAG DROP - (Topic 3)

You plan to use a Language Understanding application named app1 that is deployed to a container.

App1 was developed by using a Language Understanding authoring resource named lu1. App1 has the versions shown in the following table.

Version	Trained date	Published date
V1.2	None	None
V1.1	2020-10-01	None
V1.0	2020-09-01	2020-09-15

You need to create a container that uses the latest deployable version of app1.

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. (Choose three.)

Actions

Answer Area

- Run a container that has version set as an environment variable.
- Export the model by using the Export as JSON option.
- Select v1.1 of app1.
- Run a container and mount the model file.
- Select v1.0 of app1.
- Export the model by using the Export for containers (GZIP) option.
- Select v1.2 of app1.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Export the model using the Export for containers (GZIP) option. Export versioned app's package from LUIS portal
The versioned app's package is available from the Versions list page.
? Sign on to the LUIS portal.
? Select the app in the list.
? Select Manage in the app's navigation bar.
? Select Versions in the left navigation bar.
? Select the checkbox to the left of the version name in the list.
? Select the Export item from the contextual toolbar above the list.
? Select Export for container (GZIP).
? The package is downloaded from the browser.



Step 2: Select v1.1 of app1.
A trained or published app packaged as a mounted input to the container with its associated App ID.
Step 3: Run a contain and mount the model file.
Run the container, with the required input mount and billing settings.

NEW QUESTION 154

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"
        }
      ]
    },
    {
      "objects": [
        {
          "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 155

DRAG DROP - (Topic 3)

You build a bot by using the Microsoft Bot Framework SDK. You need to test the bot interactively on a local machine. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

Register the bot with the Azure Bot Service.
Open the Bot Framework Composer.
Build and run the bot.
Open the Bot Framework Emulator.
Connect to the bot endpoint.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Register the bot with the Azure Bot Service.
Open the Bot Framework Composer.
Build and run the bot.
Open the Bot Framework Emulator.
Connect to the bot endpoint.

Answer Area

Build and run the bot.
Open the Bot Framework Emulator.
Connect to the bot endpoint.

NEW QUESTION 158

- (Topic 3)

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

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

Answer: B

NEW QUESTION 160

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

A data analyst

A data engineer

A data scientist

is responsible for identifying which business rules must be applied to the data of a company.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A data analyst

A data engineer

A data scientist

is responsible for identifying which business rules must be applied to the data of a company.

NEW QUESTION 161

- (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 CreateKbDTO object.

Answer: AC

Explanation:

Reference:

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

NEW QUESTION 165

- (Topic 3)

You have an Azure Cognitive Search instance that indexes purchase orders by using Form Recognizer

You need to analyze the extracted information by using Microsoft Power BI. The solution must minimize development effort.

What should you add to the indexer?

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

Answer: C

NEW QUESTION 170

HOTSPOT - (Topic 3)

You have a Computer Vision resource named contoso1 that is hosted in the West US Azure region.

You need to use contoso1 to make a different size of a product photo by using the smart cropping feature.

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

NOTE: Each correct selection is worth one point.

```
curl -H "Ocp-Apim-Subscription-Key: xxx" /
-o "sample.png" -H "Content-Type: application/json" /
/vision/v3.1/
?width=100&height=100&smartCropping=true" /
{"url":"https://upload.litwareinc.org/litware/bicycle.jpg"}
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

westus.api.cognitive.microsoft.com generateThumbnail

https://docs.microsoft.com/en-us/rest/api/computervision/3.1/generate-thumbnail/generate-thumbnail#examples

POST

https://westus.api.cognitive.microsoft.com/vision/v3.1/generateThumbnail?width=500&height=500&smartCropping=True

Ocp-Apim-Subscription-Key: {API key}

NEW QUESTION 175

- (Topic 3)

What is a primary characteristic of a relational database?

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

Answer: C

NEW QUESTION 179

- (Topic 3)

You have a file share that contains 5,000 images of scanned invoices.

You need to analyze the images. The solution must extract the following data:

- Invoice items
 - Sales amounts
 - Customer details
- What should you use?

- A. Custom Vision
B. Computer Vision
C. Immersive Reader
D. Form Recognizer

Answer: C

NEW QUESTION 183

- (Topic 3)

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

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

Answer: B

NEW QUESTION 185

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 188

- (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 192

- (Topic 2)

You are developing the knowledgebase by using Azure Cognitive Search. You need to process wiki content to meet the technical requirements. What should you include in the solution?

- A. an indexer for Azure Blob storage attached to a skillset that contains the language detection skill and the text translation skill
 B. an indexer for Azure Blob storage attached to a skillset that contains the language detection skill
 C. an indexer for Azure Cosmos DB attached to a skillset that contains the document extraction skill and the text translation skill
 D. an indexer for Azure Cosmos DB attached to a skillset that contains the language detection skill and the text translation skill

Answer: C

Explanation:

The wiki contains text in English, French and Portuguese.

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

The Document Extraction skill extracts content from a file within the enrichment pipeline. This allows you to take advantage of the document extraction step that normally happens before the skillset execution with files that may be generated by other skills.

Note: The Translator Text API will be used to determine the from language. The Language detection skill is not required.

Reference:

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-document-extraction> <https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-text-translation>

NEW QUESTION 194

- (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 196

- (Topic 1)

You are developing the smart e-commerce project.

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

NOTE: Each correct selection is worth one point.

A. Make API queries to the autocomplete endpoint and include suggesterName in the body.

B. Add a suggester that has the three product name fields as source fields.

C. Make API queries to the search endpoint and include the product name fields in the searchFields query parameter.

D. Add a suggester for each of the three product name fields.

E. Set the searchAnalyzer property for the three product name variants.

F. Set the analyzer property for the three product name variants.

Answer: ABF

Explanation:

Scenario: Support autocompletion 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 200

HOTSPOT - (Topic 1)

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

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

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Description automatically generated Box 1: name.en
Box 2: "\$when": "\${stockLevel != 'OK'}"
Product displays must include images and warnings when stock levels are low or out of stock.
Box 3:image.altText.en

NEW QUESTION 205

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