

Microsoft

Exam Questions AI-102

Designing and Implementing an Azure AI Solution



NEW QUESTION 1

- (Exam Topic 1)

You are planning the product creation project.

You need to build the REST endpoint to create the multilingual product descriptions.

How should you complete the URI? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: api.cognitive.microsofttranslator.com

Translator 3.0: Translate. Send a POST request to: <https://api.cognitive.microsofttranslator.com/translate?api-version=3.0> Box 2: /translate

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-translate>

NEW QUESTION 2

- (Exam Topic 1)

HOTSPOT

You are developing the shopping on-the-go project.

You are configuring access to the QnA Maker resources.

Which role should you assign to AllUsers and LeadershipTeam? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

AllUsers:	<div>▼</div> <div>Cognitive Service User</div> <div>Contributor</div> <div>Owner</div> <div>QnA Maker Editor</div> <div>QnA Maker Read</div>
LeadershipTeam:	<div>▼</div> <div>Cognitive Service User</div> <div>Contributor</div> <div>Owner</div> <div>QnA Maker Editor</div> <div>QnA Maker Read</div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: QnA Maker Editor

Scenario: Provide all employees with the ability to edit Q&As. The QnA Maker Editor (read/write) has the following permissions: Create KB API Update KB API Replace KB API Replace Alterations "Train API" [in new service model v5] Box 2: Contributor

Scenario: Only senior managers must be able to publish updates. Contributor permission: All except ability to add new members to roles

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/reference-role-based-access-control>

NEW QUESTION 3

- (Exam Topic 1)

You are developing the smart e-commerce project.

You need to design the skillset to include the contents of PDFs in searches.

How should you complete the skillset design diagram? To answer, drag the appropriate services to the correct stages. Each service may be used once, more than

once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Services

Azure Blob storage

Custom Vision API

Azure Files

Language Understanding API

Translator API

Computer Vision API

Azure Cosmos DB

Answer Area

Source

Cracking

Preparation

Destination

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Blob storage

At the start of the pipeline, you have unstructured text or non-text content (such as images, scanned documents, or JPEG files). Data must exist in an Azure data storage service that can be accessed by an indexer.

Box 2: Computer Vision API

Scenario: Provide users with the ability to search insight gained from the images, manuals, and videos associated with the products.

The Computer Vision Read API is Azure's latest OCR technology (learn what's new) that extracts printed text (in several languages), handwritten text (English only), digits, and currency symbols from images and multi-page PDF documents.

Box 3: Translator API

Scenario: Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese. Box 4: Azure Files

Scenario: Store all raw insight data that was generated, so the data can be processed later. Reference:

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-concept-intro> <https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-ocr>

NEW QUESTION 4

- (Exam Topic 2)

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:

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 5

- (Exam Topic 2)

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

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

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

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

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet. Solution: You deploy service1 and a public endpoint, and you configure a network security group (NSG) for vnet1.

Does this meet the goal?

A. Yes
B. No

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Answer: B

Explanation:

Reference:

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

NEW QUESTION 6

- (Exam Topic 2)

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

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

Answer: A

Explanation:

Reference:

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

NEW QUESTION 7

- (Exam Topic 2)

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: A

Explanation:

Reference:

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

NEW QUESTION 8

- (Exam Topic 2)

You have an existing Azure Cognitive Search service.

You have an Azure Blob storage account that contains millions of scanned documents stored as images and PDFs.

You need to make the scanned documents available to search as quickly as possible. What should you do?

- A. Split the data into multiple blob container
- B. Create a Cognitive Search service for each containe
- C. Within each indexer definition, schedule the same runtime execution pattern.
- D. Split the data into multiple blob container
- E. Create an indexer for each containe
- F. Increase the search unit
- G. Within each indexer definition, schedule a sequential execution pattern.
- H. Create a Cognitive Search service for each type of document.
- I. Split the data into multiple virtual folder
- J. Create an indexer for each folde
- K. Increase the search units. Within each indexer definition, schedule the same runtime execution pattern.

Answer: D

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-howto-indexing-azure-blob-storage>

NEW QUESTION 9

- (Exam Topic 2)

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	Answer Area
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.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-security-api-keys>

NEW QUESTION 10

- (Exam Topic 2)

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 create a new model, and then upload the new images and labels. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

The model needs to be extended and retrained.

NEW QUESTION 10

- (Exam Topic 2)

You successfully run the following HTTP request. POST

[https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/pro](https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

Body{"keyName": "Key2"} What is the result of the request?

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

Answer: B

Explanation:

Accounts - Regenerate Key regenerates the specified account key for the specified Cognitive Services account. Syntax:

POST [https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/](https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

[providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18](https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

Reference:

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices/accountmanagement/accounts/regeneratekey>

NEW QUESTION 13

- (Exam Topic 2)

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 Reference:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.activityhandler.onmembersaddedasync?view=>

NEW QUESTION 14

- (Exam Topic 2)

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

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

Which Azure Cognitive Services service should you use?

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

Answer: C

Explanation:

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

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

Reference:

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

NEW QUESTION 18

- (Exam Topic 2)

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. Knowledgebases.
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 19

- (Exam Topic 2)

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 22

- (Exam Topic 2)

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:

Step 1: Add a new application Create a new app

- > Sign in to the LUIS portal with the URL of <https://www.luis.ai>.
- > Select Create new app.
- > Etc.

Step 2: Add example utterances.

In order to classify an utterance, the intent needs examples of user utterances that should be classified with this intent.

Step 3: Train the application Step 4: Publish the application

In order to receive a LUIS prediction in a chat bot or other client application, you need to publish the app to the prediction endpoint.

Reference:

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

NEW QUESTION 26

- (Exam Topic 2)

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 27

- (Exam Topic 2)

You are developing a webpage that will use the Video Indexer service to display videos of internal company meetings.
You embed the Player widget and the Cognitive Insights widget into the page. You need to configure the widgets to meet the following requirements:

- Ensure that users can search for keywords.
- Display the names and faces of people in the video.
- Show captions in the video in English (United States).

How should you complete the URL for each widget? 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

en-US

false

people,keywords

people,search

search

true

Answer Area

Cognitive Insights Widget

https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets=

Value

 controls=

Value

Player Widget

https://www.videoindexer.ai/embed/player/<accountId>/<videoId>/? showcaptions=

Value

 captions=

Value

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, Word, email Description automatically generated

NEW QUESTION 29

- (Exam Topic 2)

You are using a Language Understanding service to handle natural language input from the users of a web-based customer agent.
The users report that the agent frequently responds with the following generic response: "Sorry, I don't understand that."
You need to improve the ability of the agent to respond to requests.
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

Add prebuilt domain models as required.

Validate the utterances logged for review and modify the model.

Migrate authoring to an Azure resource authoring key.

Enable active learning.

Enable log collection by using Log Analytics.

Train and republish the Language Understanding model.

Answer Area

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Add prebuilt domain models as required.
Prebuilt models provide domains, intents, utterances, and entities. You can start your app with a prebuilt model or add a relevant model to your app later.
Note: Language Understanding (LUIS) provides prebuilt domains, which are pre-trained models of intents and entities that work together for domains or common categories of client applications.

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The prebuilt domains are trained and ready to add to your LUIS app. The intents and entities of a prebuilt domain are fully customizable once you've added them to your app.

Step 2: Enable active learning

To enable active learning, you must log user queries. This is accomplished by calling the endpoint query with the log=true querystring parameter and value.

Step 3: Train and republish the Language Understanding model

The process of reviewing endpoint utterances for correct predictions is called Active learning. Active learning captures endpoint queries and selects user's endpoint utterances that it is unsure of. You review these utterances to select the intent and mark entities for these real-world utterances. Accept these changes into your example utterances then train and publish. LUIS then identifies utterances more accurately.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-> <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-prebuilt-model>

NEW QUESTION 31

- (Exam Topic 2)

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: BD

Explanation:

AI systems should treat all people fairly.

AI systems should perform reliably and safely. Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai>

NEW QUESTION 35

- (Exam Topic 2)

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/Comp>

NEW QUESTION 39

- (Exam Topic 2)

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.

Answer Area

```
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.azure.com> The endpoint for accessing the Text Analytics API. zure.com

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-install-co>

NEW QUESTION 44

- (Exam Topic 2)

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" /

https://api.projectoxford.ai

https://contoso1.cognitiveservices.azure.com

https://westus.api.cognitive.microsoft.com

/vision/v3.1/

areaOfInterest

detect

generateThumbnail

?width=100&height=100&smartCropping=true" /

```
-d "{ \"url\": \"https://upload.litwareinc.org/litware/bicycle.jpg\" }"
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, Word Description automatically generated

Reference:

<https://westus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a4> <https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-generating-thumbnails#exam>

NEW QUESTION 46

- (Exam Topic 2)

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 Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/client-libraries-rest-api>

NEW QUESTION 47

- (Exam Topic 2)

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 52

- (Exam Topic 2)

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.

Answer Area

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:

Box 1: Yes
Box 2: Yes
If several logs are detected, or the logo image and the stylized brand name are detected as two separate logos, it starts numbering them from the bottom-left corner.
Box 3: No Reference:
<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-brand-detection>

NEW QUESTION 57

- (Exam Topic 2)
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);



"?from=en";
    "?suggestedFrom=en";
    "?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:

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 58

- (Exam Topic 2)

You are developing a streaming Speech to Text solution that will use the Speech SDK and MP3 encoding. You need to develop a method to convert speech to text for streaming MP3 data.

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 audioFormat = (AudioStreamContainerFormat.MP3);

var speechConfig = SpeechConfig.FromSubscription("18c51a87-3a69-47a8-aedc-a54745f708a1", "westus");

var audioConfig = AudioConfig.FromStreamInput(pushStream, audioFormat);

using (var recognizer = new (speechConfig, audioConfig))

{
    var result = await recognizer.RecognizeOnceAsync();
    var text = result.Text;
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-use-codec-compressed-audio-i>

NEW QUESTION 59

- (Exam Topic 2)

You have the following data sources:

- > Finance: On-premises Microsoft SQL Server database
- > Sales: Azure Cosmos DB using the Core (SQL) API
- > Logs: Azure Table storage
- > HR: Azure SQL database

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

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

Answer: B

Explanation:

On-premises Microsoft SQL Server database cannot be used as an index data source.

Note: Indexer in Azure Cognitive Search: : Automate aspects of an indexing operation by configuring a data source and an indexer that you can schedule or run on demand. This feature is supported for a limited number of data source types on Azure.

Indexers crawl data stores on Azure.

- > Azure Blob Storage
- > Azure Data Lake Storage Gen2 (in preview)
- > Azure Table Storage
- > Azure Cosmos DB
- > Azure SQL Database
- > SQL Managed Instance
- > SQL Server on Azure Virtual Machines Reference:

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

NEW QUESTION 60

- (Exam Topic 2)

You are developing a photo application that will find photos of a person based on a sample image by using the Face API.

You need to create a POST request to find the photos.

How should you complete the request? 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

detect

findsimilars

group

identify

matchFace

matchPerson

verify

Answer Area

POST {Endpoint}/face/v1.0/

Request Body

{

"faceId": "c5c24a82-6845-4031-9d5d-978df9175426",

"largeFaceListId": "sample_list",

"largeFaceListId": "sample_list",

"maxNumOfCandidatesReturned": 10,

"mode": " "

}

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: detect

Face - Detect With Url: Detect human faces in an image, return face rectangles, and optionally with faceIds, landmarks, and attributes.

POST {Endpoint}/face/v1.0/detect Box 2: matchPerson

Find similar has two working modes, "matchPerson" and "matchFace". "matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds.

"matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

Reference:

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/detectwithurl> <https://docs.microsoft.com/en-us/rest/api/faceapi/face/findsimilar>

NEW QUESTION 61

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