



## Microsoft

### Exam Questions AI-102

Designing and Implementing an Azure AI Solution

**NEW QUESTION 1**

- (Topic 3)

You have an Azure IoT hub that receives series data from machinery. You need to build an app that will perform the following actions:

- Perform anomaly detection across multiple correlated sensors
- Identify the root cause of process stops.
- Send incident alerts

The solution must minimize development time. Which Azure service should you use?

- A. Azure Metrics Advisor
- B. Form Recognizer
- C. Azure Machine teaming
- D. Anomaly Detector

**Answer: D**

**NEW QUESTION 2**

- (Topic 3)

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

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

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

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

**Answer: D**

**Explanation:**

Evaluate different models.

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

Reference:

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

**NEW QUESTION 3**

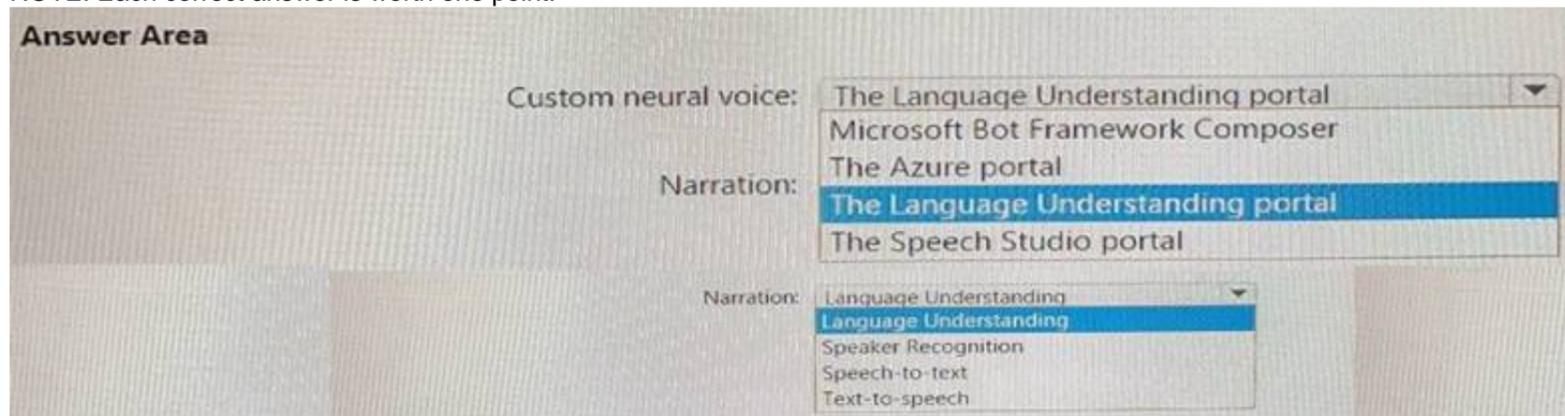
HOTSPOT - (Topic 3)

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.

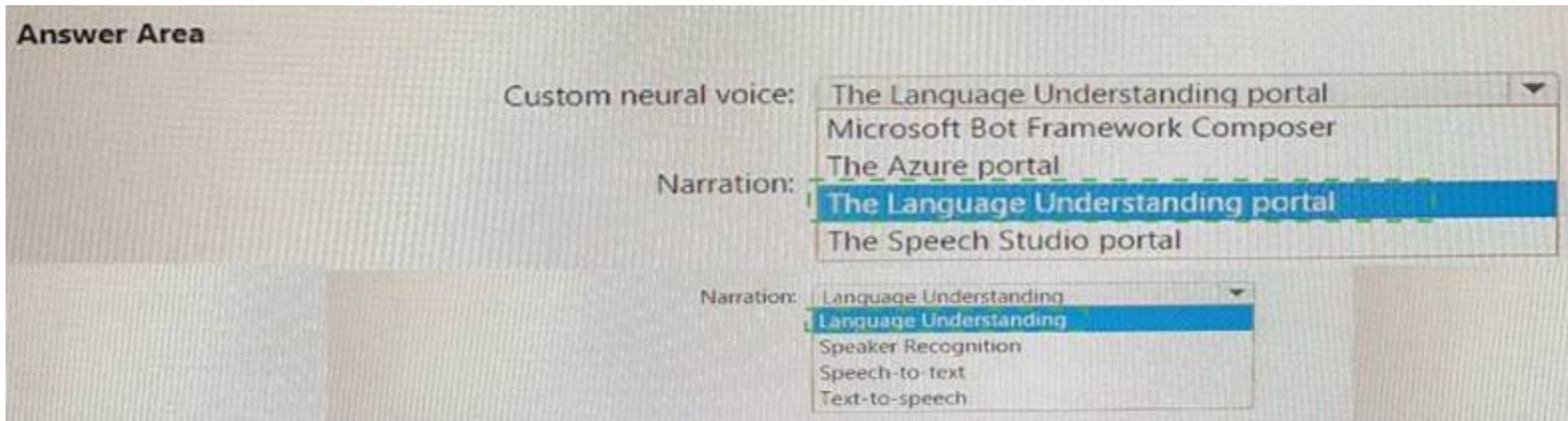
NOTE: Each correct answer is worth one point.



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



**NEW QUESTION 4**

HOTSPOT - (Topic 3)

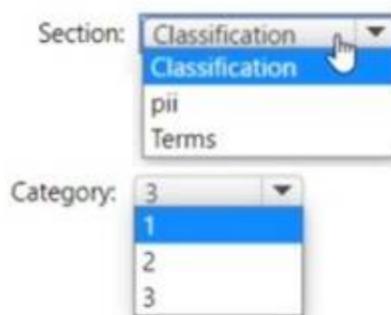
You are building a chatbot.

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

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

NOTE: Each correct selection is worth one point.

Answer Area

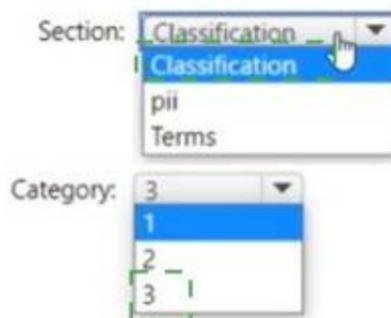


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



**NEW QUESTION 5**

- (Topic 3)

You use the Microsoft Bot Framework Composer to build a chatbot that enables users to purchase items.

You need to ensure that the users can cancel in-progress transactions. The solution must minimize development effort.

What should you add to the bot?

- A. a language generator
- B. a custom event
- C. a dialog trigger
- D. a conversation activity

Answer: D

**NEW QUESTION 6**

- (Topic 3)

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

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

You have an Azure Cognitive Search service.

During the past 12 months, query volume steadily increased.

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

You need to reduce the likelihood that search query requests are throttled. Solution: You enable customer-managed key (CMK) encryption.

Does this meet the goal?

- A. Yes

B. No

**Answer:** B

**Explanation:**

Customer-managed key (CMK) encryption does not affect throttling.

Instead, you could migrate to a Cognitive Search service that uses a higher tier.

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

Reference:

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

**NEW QUESTION 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**

DRAG DROP - (Topic 3)

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

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

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

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

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

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

**Actions**

**Answer Area**

- Create a custom Dockerfile.
- Pull the Anomaly Detector container image.
- Distribute a docker run script.
- Push the image to an Azure container registry.
- Build the image.
- Push the image to Docker Hub.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

Step 3: Build the image

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

[https://docs.microsoft.com/en-us/azure/cognitive-services/containers/container-reuse- recipe](https://docs.microsoft.com/en-us/azure/cognitive-services/containers/container-reuse-recipe)

**NEW QUESTION 9**

- (Topic 3)

You are building a Language Understanding solution.

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

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

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

**Answer:** C

**NEW QUESTION 10**

- (Topic 3)

You are designing a conversational interface for an app that will be used to make vacation requests. The interface must gather the following data:

- The start date of a vacation
- The end date of a vacation
- The amount of required paid time off

The solution must minimize dialog complexity. Which type of dialog should you use?

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

**Answer:** D

**NEW QUESTION 10**

- (Topic 3)

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

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

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use a new intent for location.

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

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

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

**NEW QUESTION 11**

- (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 12**

- (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>

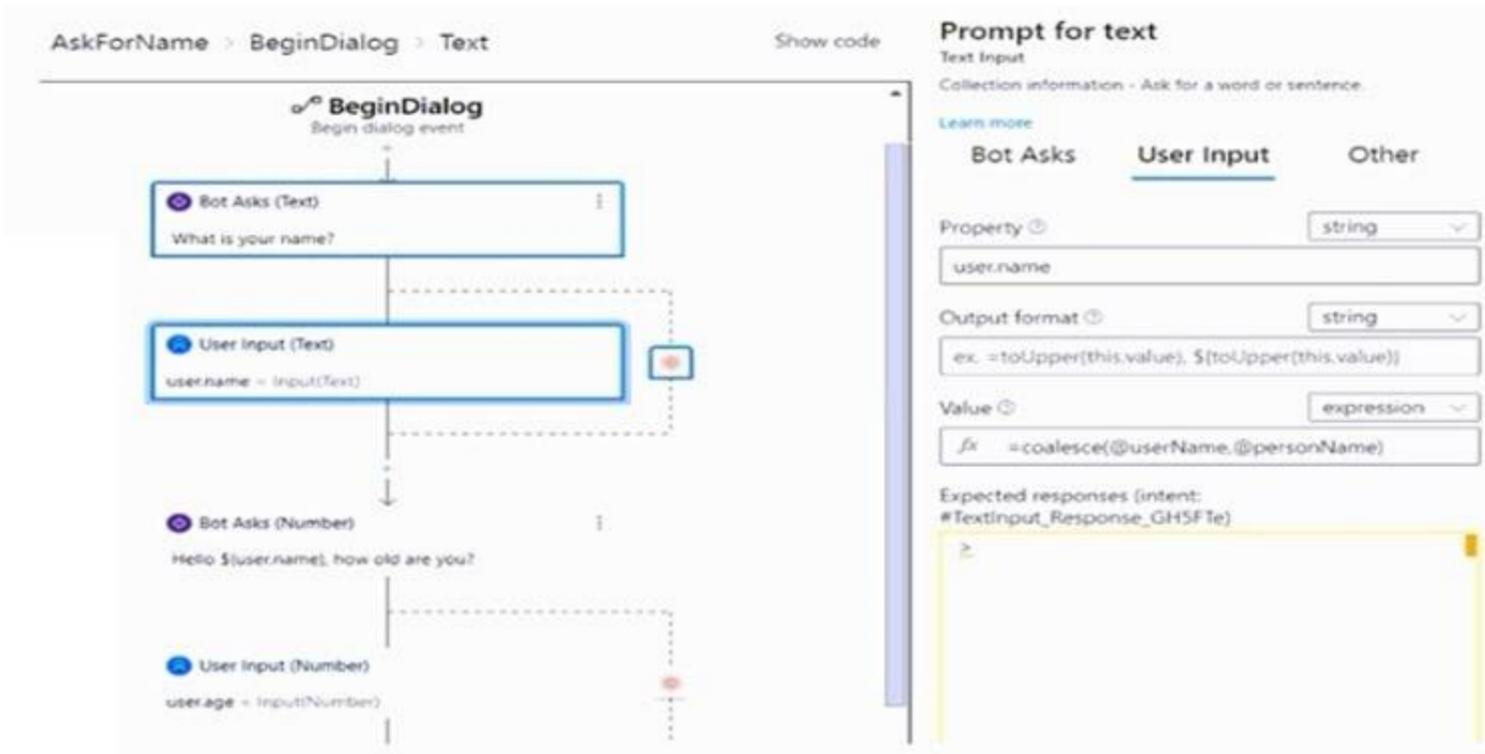
Reference:

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

**NEW QUESTION 13**

HOTSPOT - (Topic 3)

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



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

**Answer Area**

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Answer Area**

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

**NEW QUESTION 15**

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

**NEW QUESTION 17**

HOTSPOT - (Topic 3)

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

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

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

For the second argument, you call the function and specify the following string. Our tour of Paris included a visit to the Eiffel Tower.  
 For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
 NOTE: Each correct selection is worth one point.

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

**NEW QUESTION 20**

- (Topic 3)

Which database transaction property ensures that individual transactions are executed only once and either succeed in their entirety or roll back?

- A. consistency
- B. isolation
- C. atomicity
- D. durability

**Answer:** A

**NEW QUESTION 21**

- (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 25**

HOTSPOT - (Topic 3)

You are developing an application that includes language translation.

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

You need to develop code to translate the text to a single language.  
 How should you complete the code? To answer, select the appropriate options in the answer area.  
 NOTE: Each correct selection is worth one point.

Answer Area

```

    . . .
    api_key = "FF956C68883821838691A8D200A4C606"
    text = get_text_to_be_translated()
    headers = {
        'Content-Type': 'application/json',
        'Ocp-Apim-Subscription-Key': api_key
    }
    body = {
        'Text': text
    }
    conn = httpLib.HTTPSConnection
    conn.request("POST",
    response = conn.getResponse()
        conn.request("POST",
        response = conn.getResponse()
        response_data = response.r
    . . .
    
```

["api.cognitive.microsofttranslator.com"]  
 ["api-apc.cognitive.microsofttranslator.com"]  
 ["api-nam.cognitive.microsofttranslator.com"]

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```

    . . .
    api_key = "FF956C68883821838691A8D200A4C606"
    text = get_text_to_be_translated()
    headers = {
        'Content-Type': 'application/json',
        'Ocp-Apim-Subscription-Key': api_key
    }
    body = {
        'Text': text
    }
    conn = httpLib.HTTPSConnection
    conn.request("POST",
    response = conn.getResponse()
        conn.request("POST",
        response = conn.getResponse()
        response_data = response.r
    . . .
    
```

["api.cognitive.microsofttranslator.com"]  
 ["api-apc.cognitive.microsofttranslator.com"]  
 ["api-nam.cognitive.microsofttranslator.com"]

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

**NEW QUESTION 28**

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

Varying fields for each entity in a JSON document is an example of

- relational data.
  - semi-structured data.
  - structured data.
  - unstructured data.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Varying fields for each entity in a JSON document is an example of

- relational data.
  - semi-structured data.
  - structured data.
  - unstructured data.

**NEW QUESTION 33**

- (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 34**

HOTSPOT - (Topic 3)

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Answer Area

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

**NEW QUESTION 35**

- (Topic 3)

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

- A. Upload File1 avi to an Azure storage queue.
- B. upload File1.avi to the www.youtube.com seepage
- C. Upload file1 avi to the Azure video indexer website.
- D. Upload file1 avi to Microsoft OneDrive.

Answer: D

**Explanation:**

This is because the Azure Video Indexer website allows you to upload videos from a URL or from your file system, but there are some limitations and considerations for each option1.  
 If you upload from your file system, the size of the file is limited to 2 GB, which is less than the size of file1.avi (20 GB). Therefore, this option is not feasible.  
 If you upload from a URL, the size of the file is limited to 30 GB, which is enough for file1.avi. However, the URL must be publicly accessible and valid, and the file must be accessible. You cannot use URLs from streaming services such as YouTube1. Therefore, options A and B are not valid.  
 The best option is to upload file1.avi to a cloud storage service such as Microsoft OneDrive, and then generate a shareable link for the file. You can then paste the link in the Azure Video Indexer website and upload the video from the URL. This way, you can avoid the file size limitation and ensure that the file is accessible and valid2.

**NEW QUESTION 37**

- (Topic 3)

You plan to provision a QnA Maker service in a new resource group named RG1. In RG1, you create an App Service plan named AP1. Which two Azure resources are automatically created in RG1 when you provision the QnA Maker service? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Language Understanding
- B. Azure SQL Database
- C. Azure Storage
- D. Azure Cognitive Search
- E. Azure App Service

Answer: DE

**Explanation:**

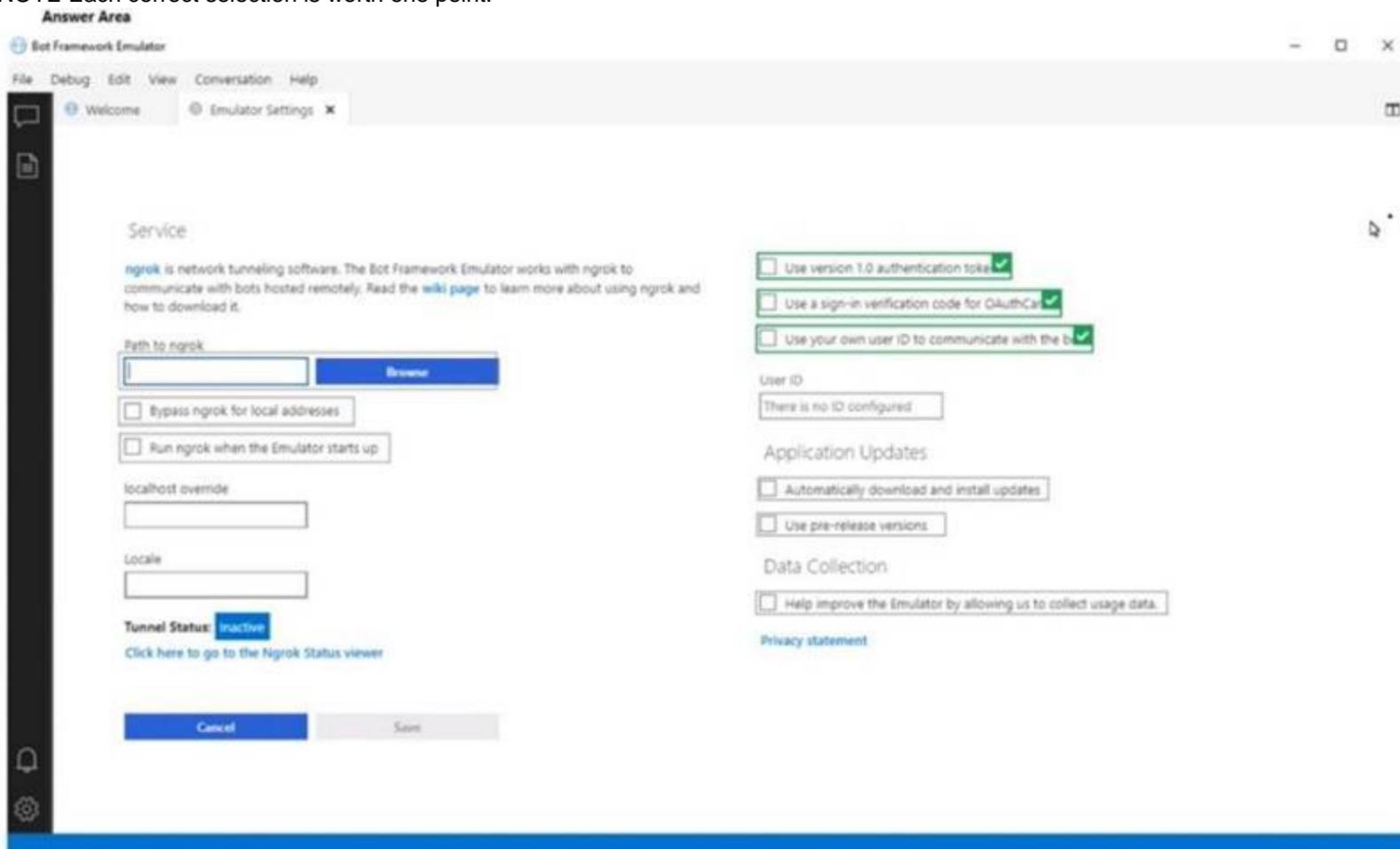
Reference:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/set-up-qnamaker-service-azure?tabs=v1#delete-azure-resources>  
 "When you create a QnAMaker resource, you host the data in your own Azure subscription. Azure Search is used to index your data." & "When you create a QnAMaker resource, you host the runtime in your own Azure subscription. App Service is the compute engine that runs the QnA Maker queries for you."

**NEW QUESTION 40**

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.

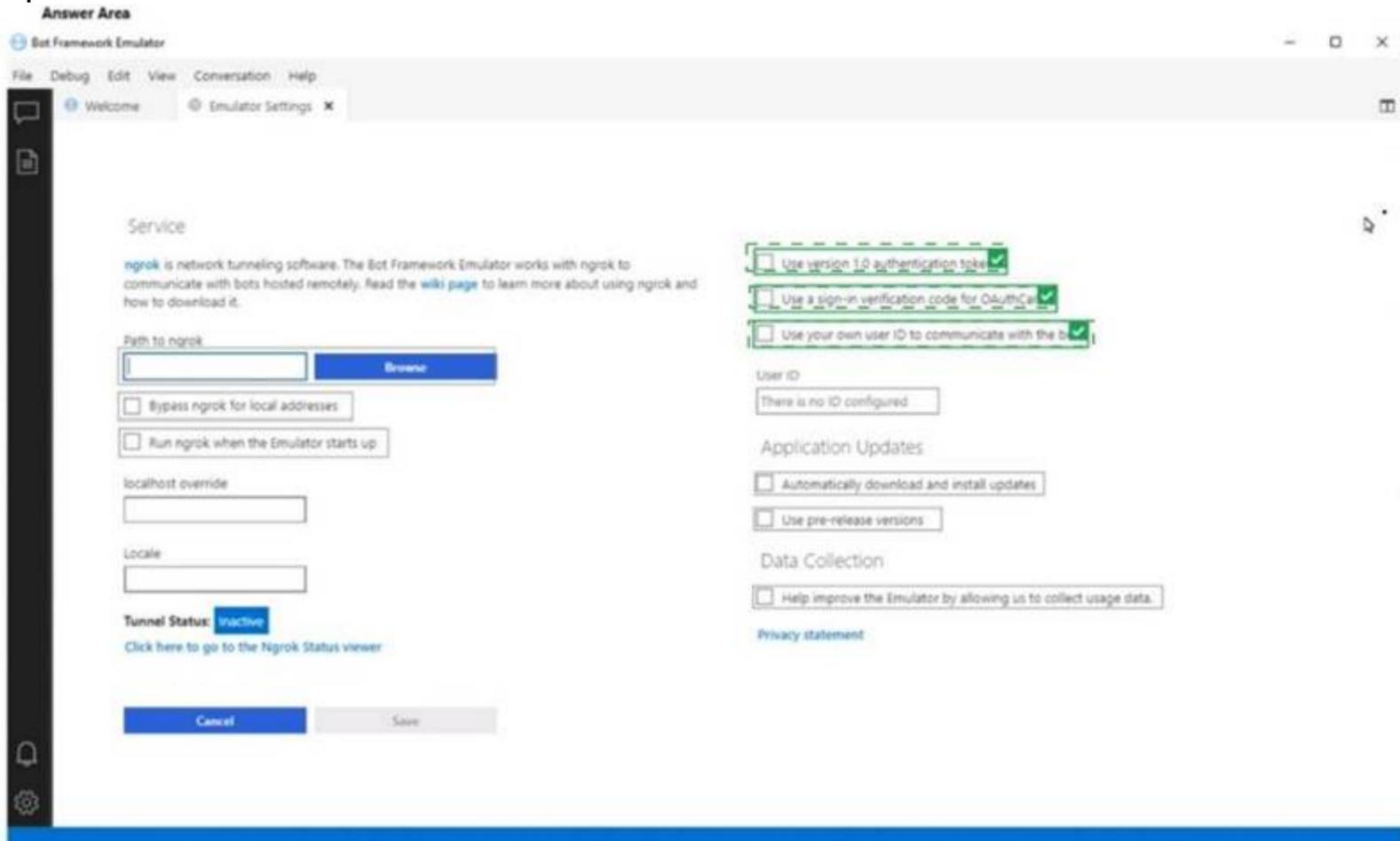
Which three settings should you configure? To answer, select the appropriate settings in the answer area.  
 NOTE Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



**NEW QUESTION 41**

DRAG DROP - (Topic 3)

You have a Custom Vision resource named acvdev in a development environment. You have a Custom Vision resource named acvprod in a production environment.

In acvdev, you build an object detection model named obj1 in a project named proj1. You need to move obj1 to acvprod.

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**

- Use the `ExportProject` endpoint on `acvdev`.
- Use the `GetProjects` endpoint on `acvdev`.
- Use the `ImportProject` endpoint on `acvprod`.
- Use the `ExportIteration` endpoint on `acvdev`.
- Use the `GetIterations` endpoint on `acvdev`.
- Use the `UpdateProject` endpoint on `acvprod`.

**Answer Area**



- A. Mastered
- B. Not Mastered

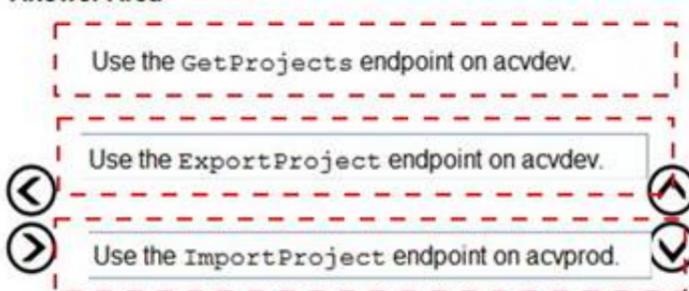
**Answer:** A

**Explanation:**

**Actions**

- Use the `ExportProject` endpoint on `acvdev`.
- Use the `GetProjects` endpoint on `acvdev`.
- Use the `ImportProject` endpoint on `acvprod`.
- Use the `ExportIteration` endpoint on `acvdev`.
- Use the `GetIterations` endpoint on `acvdev`.
- Use the `UpdateProject` endpoint on `acvprod`.

**Answer Area**



**NEW QUESTION 44**

- (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 47**

- (Topic 3)

You have the following data sources:

? Finance: On-premises Microsoft SQL Server database

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

? Logs: Azure Table storage

? HR: Azure SQL database

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

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

**Answer:** B

**Explanation:**

On-premises Microsoft SQL Server database cannot be used as an index data source. Note: Indexer in Azure Cognitive Search: : Automate aspects of an indexing operation by configuring a data source and an indexer that you can schedule or run on demand. This feature is supported for a limited number of data source types on Azure.

Indexers crawl data stores on Azure.

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

Reference:

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

#### NEW QUESTION 49

- (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 53

- (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 58

- (Topic 3)

You create a bot by using the Microsoft Bot Framework SDK.

You need to configure the bot to respond to events by using custom text responses. What should you use?

- A. an adaptive card
- B. an activity handler
- C. a dialog
- D. a skill

**Answer:** B

#### NEW QUESTION 60

- (Topic 3)

What is a characteristic of a non-relational database?

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

**Answer:** C

#### NEW QUESTION 63

HOTSPOT - (Topic 3)

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

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

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

Statements	Yes	No
The code will add a face image to a person object in a person group.	<input type="radio"/>	<input type="radio"/>
The code will work for a group of 10,000 people.	<input type="radio"/>	<input type="radio"/>
AddFace can be called multiple times to add multiple face images to a person object.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

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

**NEW QUESTION 66**

HOTSPOT - (Topic 3)

You run the following command.

```
docker run --rm -it -p 5000:5000 --memory 10g --cpus 2 \
mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment\
Eula=accept \
Billing={ENDPOINT_URI} \
ApiKey={API_KEY}
```

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

Statements	Yes	No
Going to <a href="http://localhost:5000/status">http://localhost:5000/status</a> will query the Azure endpoint to verify whether the API key used to start the container is valid.	<input type="radio"/>	<input type="radio"/>
The container logging provider will write log data.	<input type="radio"/>	<input type="radio"/>
Going to <a href="http://localhost:5000/swagger">http://localhost:5000/swagger</a> will provide the details to access the documentation for the available endpoints.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Box 1: Yes  
<http://localhost:5000/status> : Also requested with GET, this verifies if the api-key used to start the container is valid without causing an endpoint query.  
 Box 2: Yes  
 The command saves container and LUIS logs to output mount at C:\output, located on container host  
 Box 3: Yes  
<http://localhost:5000/swagger> : The container provides a full set of documentation for the endpoints and a Try it out feature. With this feature, you can enter your settings into a web-based HTML form and make the query without having to write any code. After the query returns, an example CURL command is provided to demonstrate the HTTP headers and body format that's required.

**NEW QUESTION 71**

-(Topic 3)

You create five bots by using Microsoft Bot Framework Composer.

You need to make a single bot available to users that combines the bots. The solution must support dynamic routing to the bots based on user input. Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create an Orchestrator model.
- B. Change the Recognizer/Dispatch type.
- C. Create a composer extension.
- D. Enable WebSockets.
- E. Create a custom recognizer JSON file.
- F. Install the Orchestrator package.

**Answer:** ABF

**NEW QUESTION 72**

- (Topic 3)

You are building a Conversational Language Understanding model.

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

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

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

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

**Answer:** BCF

**NEW QUESTION 77**

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.

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

- 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="checkbox"/>	<input type="checkbox"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**NEW QUESTION 81**

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.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**NEW QUESTION 86**

- (Topic 3)

You have a text-based chatbot.

You need to enable content moderation by using the Text Moderation API of Content Moderator. Which two service responses should you use? Each correct answer presents part of the solution NOTE: Each correct selection is worth one point.

- A. the adult classification score
- B. optical character recognition (OCR)
- C. personal data
- D. text classification
- E. the racy classification score

**Answer:** AD

**NEW QUESTION 89**

HOTSPOT - (Topic 3)

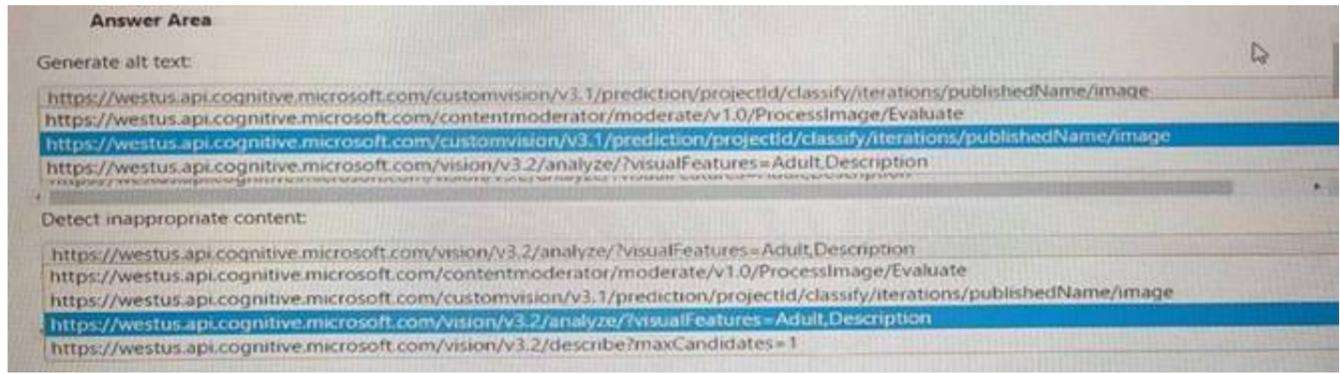
You are building an app that will enable users to upload images. The solution must meet the following requirements:

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

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

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

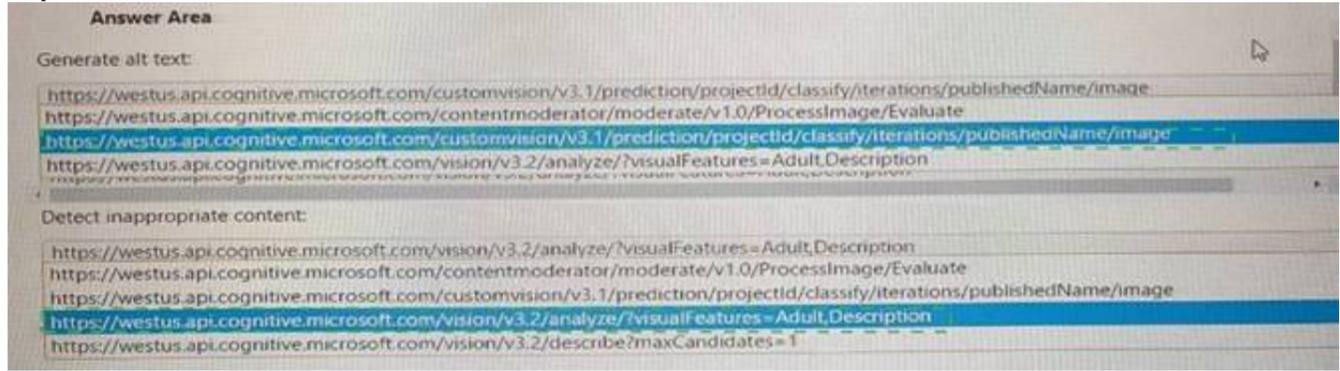
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



**NEW QUESTION 93**

HOTSPOT - (Topic 3)

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

**Passengers**

- Sarah Hum
- Jeremy Goldberg
- Evan Litvak

**2 Stops**

**Tue, May 30, 2017 10:25 PM**

San Francisco Amsterdam		San Francisco Amsterdam
SFO AMS		SFO AMS

**Non-Stop**

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

San Francisco Amsterdam		San Francisco Amsterdam
SFO AMS		SFO AMS

Total **\$4,032.54**

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

**Answer Area**

The chatbot is showing [answer choice].

	▼
an Adaptive Card	
a Hero Card	
a Thumbnail Card	

The card includes [answer choice].

	▼
an action set	
an image	
an image group	
media	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Adaptive card Box 2: an image

**NEW QUESTION 98**

- (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 101**

- (Topic 3)

You have a Language service resource that performs the following:

- Sentiment analysis
- Named Entity Recognition (NER)
- Personally Identifiable Information (PII) identification

You need to prevent the resource from persisting input data once the data is analyzed. Which query parameter in the Language service API should you configure?

- A. loggingOptOut
- B. piiCategories
- C. showStats
- D. Model-version

**Answer:** A

**NEW QUESTION 106**

DRAG DROP - (Topic 3)

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	Answer Area
en-US	<p><b>Cognitive Insights Widget</b></p> <p>https://www.videoindexer.ai/embed/insights/&lt;accountId&gt;/&lt;videoId&gt;/?widgets= [Value] controls= [Value]</p> <p><b>Player Widget</b></p> <p>https://www.videoindexer.ai/embed/player/&lt;accountId&gt;/&lt;videoId&gt;/? showcaptions= [Value] captions= [Value]</p>
false	
people,keywords	
people,search	
search	
true	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 107**

DRAG DROP - (Topic 3)

You are building a Language Understanding model for purchasing tickets.

You have the following utterance for an intent named PurchaseAndSendTickets. Purchase [2 audit business] tickets to [Paris] [next Monday] and send tickets to [email@domain.com]

You need to select the entity types. The solution must use built-in entity types to minimize training data whenever possible.

Which entity type should you use for each label? To answer, drag the appropriate entity types to the correct labels. Each entity type 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.

Entity Types	Answer Area
Email	
List	Paris: <input type="text"/>
Regex	email@domain.com: <input type="text"/>
GeographyV2	2 audit business: <input type="text"/>
Machine learned	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: GeographyV2

The prebuilt geographyV2 entity detects places. Because this entity is already trained, you do not need to add example utterances containing GeographyV2 to the application intents.

Box 2: Email

Email prebuilt entity for a LUIS app: Email extraction includes the entire email address from an utterance. Because this entity is already trained, you do not need to add example utterances containing email to the application intents.

Box 3: Machine learned

The machine-learning entity is the preferred entity for building LUIS applications.

**NEW QUESTION 110**

- (Topic 3)

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

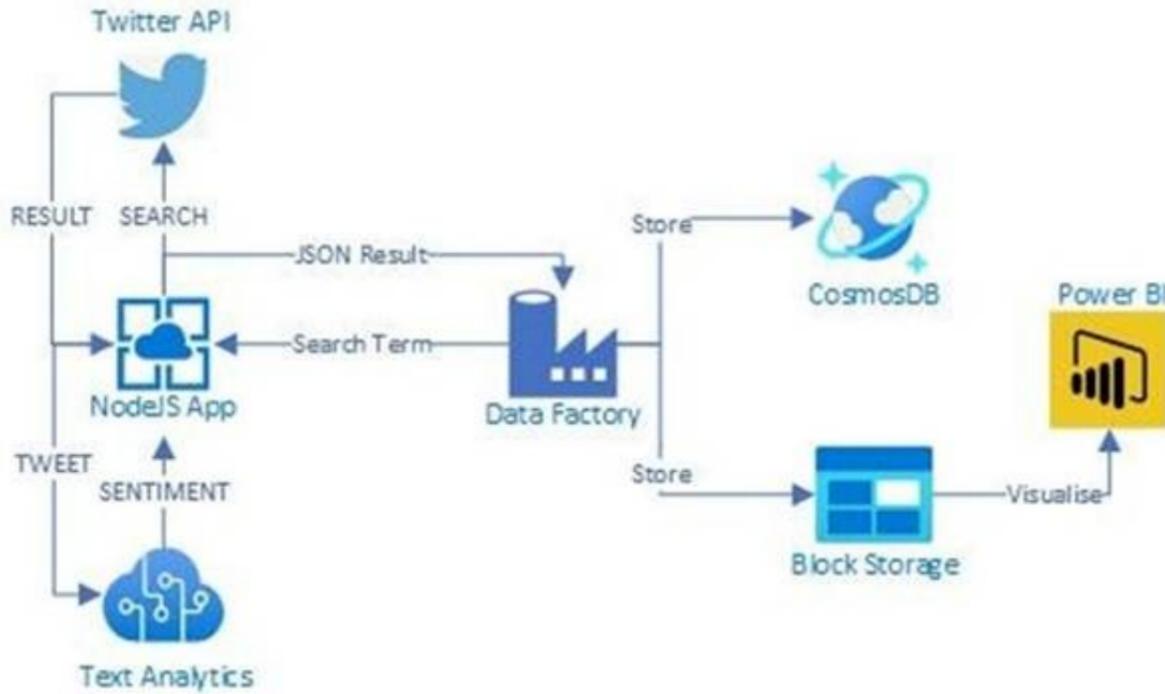
- A. Text Analytics
- B. Content Moderator
- C. Computer Vision
- D. Form Recognizer

**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 112**

DRAG DROP - (Topic 3)

You have an Azure subscription that contains an Azure OpenAI resource named AH. You plan to build an app named App1 that will write press releases by using AM.

You need to deploy an Azure OpenAI model for App1. The solution must minimize development effort.

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

Actions	Answer Area
Create a deployment that uses the text-embedding-ada-002 model.	
Apply the Default system message template.	
Create a deployment that uses the GPT-35 Turbo model.	
Apply the Marketing Writing Assistant system message template.	
Deploy the solution to a new web app.	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Actions	Answer Area
Create a deployment that uses the text-embedding-ada-002 model.	
Apply the Default system message template.	
Create a deployment that uses the GPT-35 Turbo model.	Create a deployment that uses the GPT-35 Turbo model.
Apply the Marketing Writing Assistant system message template.	Apply the Marketing Writing Assistant system message template.
Deploy the solution to a new web app.	Deploy the solution to a new web app.

**NEW QUESTION 116**

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	Answer Area
az ad app credential	
az ad app create	
az deployment group create	
az webapp deployment source config-zip	
az ad app update	

- 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 120**

HOTSPOT - (Topic 3)

You are building an app that will share user images.

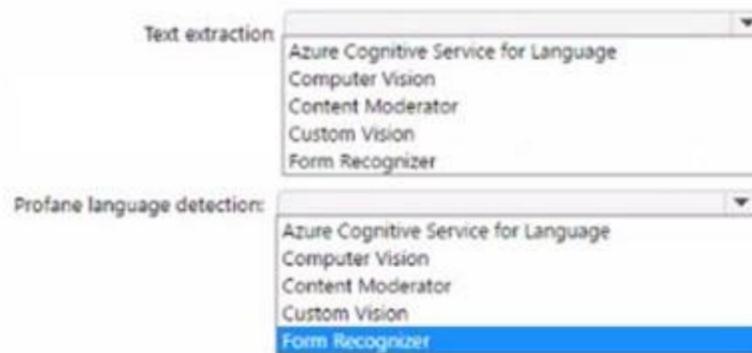
You need to configure the app to meet the following requirement's

- uploaded images must be scanned and any text must be extracted from the images.
- Extracted text must be analyzed for the presence of profane language.
- The solution must minimize development effort.

what should you use for each requirement? To answer, select the apocopate opinions in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Text Extraction: b) Computer Vision

Computer Vision is a service that can analyze images and extract text from them using optical character recognition (OCR) or read API1. OCR can detect and extract printed or handwritten text from images in various languages and formats, such as PDF, TIFF, or JPEG2. Read API can perform asynchronous batch processing of text from multiple images, and can also handle text in tables, mixed languages, and rotated text3.

Profane Language Detection: c) Content Moderator

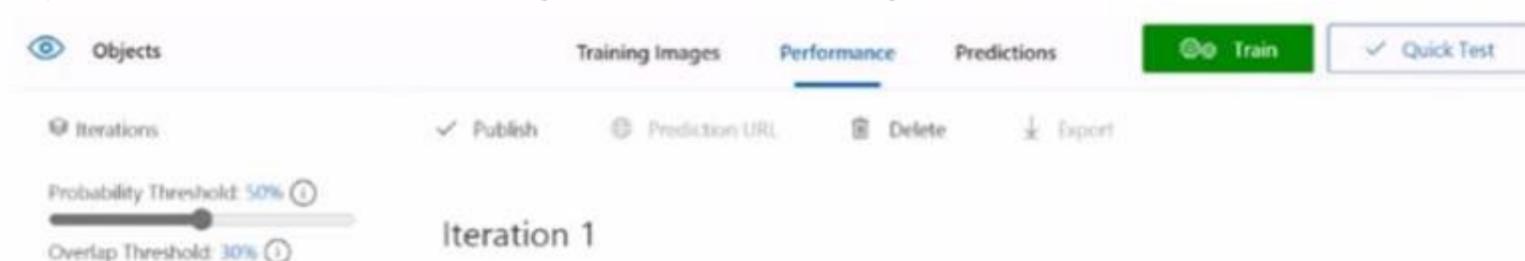
Content Moderator is a service that can detect and filter out potentially offensive or unwanted content in text, images, and videos. For text, Content Moderator can identify profane or abusive language, personal data, and custom terms that you define. You can also use Content Moderator to review and moderate the content manually or automatically using workflows.

**NEW QUESTION 125**

HOTSPOT - (Topic 3)

You are building a model to detect objects in images.

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



Answer Area

The percentage of false positives is [answer choice].

0  
25  
30  
50  
100

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

0  
25  
30  
50  
100

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The percentage of false positives is [answer choice].

0  
25  
30  
50  
100

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

0  
25  
30  
50  
100

NEW QUESTION 126

- (Topic 3)

You successfully run the following HTTP request.

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

Body{"keyName": "Key2"}

What is the result of the request?

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

Answer: B

Explanation:

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

NEW QUESTION 127

HOTSPOT - (Topic 3)

You have a library that contains thousands of images.

You need to tag the images as photographs, drawings, or clipart.

Which service endpoint and response property should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Service endpoint:

Computer Vision analyze images  
Computer Vision object detection  
Custom Vision image classification  
Custom Vision object detection

Property:

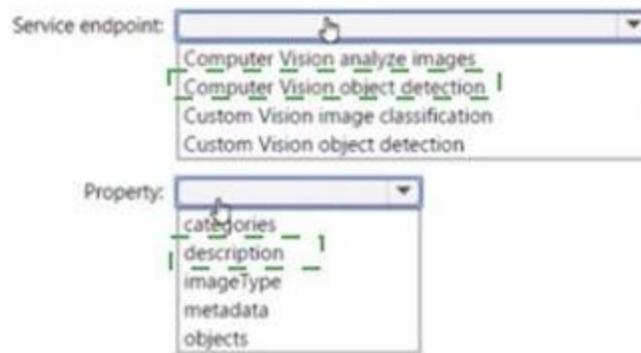
categories  
description  
imageType  
metadata  
objects

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Answer Area



**NEW QUESTION 128**

DRAG DROP - (Topic 3)

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

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

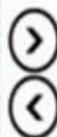
You need to deploy the container image to a host computer.

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

Actions

- From the Language Understanding portal, retrain the model.
- From the host computer, run the container and specify the input directory.
- From the Language Understanding portal, export the solution as a package file.
- From the host computer, move the package file to the Docker input directory.
- From the host computer, build the container and specify the output directory.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

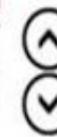
**Explanation:**

Actions

- From the Language Understanding portal, retrain the model.
- From the host computer, run the container and specify the input directory.
- From the Language Understanding portal, export the solution as a package file.
- From the host computer, move the package file to the Docker input directory.
- From the host computer, build the container and specify the output directory.

Answer Area

- From the Language Understanding portal, export the solution as a package file.
- From the host computer, move the package file to the Docker input directory.
- From the host computer, build the container and specify the output directory.



**NEW QUESTION 130**

- (Topic 3)

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: DE

**NEW QUESTION 134**

- (Topic 3)

You have a chatbot that was built by using Microsoft Bot Framework and deployed to Azure.

You need to configure the bot to support voice interactions. The solution must support multiple client apps.

Which type of channel should you use?

- A. Cortana
- B. Microsoft Teams

C. Direct Line Speech

**Answer:** C

**NEW QUESTION 139**

- (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 143**

- (Topic 3)

You are examining the Text Analytics output of an application. The text analyzed is: "Our tour guide took us up the Space Needle during our trip to Seattle last week." The response contains the data shown in the following table.

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

Which Text Analytics API is used to analyze the text?

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

**Answer:** B

**NEW QUESTION 148**

- (Topic 3)

You are building a language model by using a Language Understanding service. You create a new Language Understanding resource. You need to add more contributors. What should you use?

- A. a conditional access policy in Azure Active Directory (Azure AD)
- B. the Access control (1AM) page for the authoring resources in the Azure portal
- C. the Access control (1AM) page for the prediction resources in the Azure portal

**Answer:** B

**Explanation:**

Reference:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-collaborate>

**NEW QUESTION 153**

DRAG DROP - (Topic 3)

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	Answer Area
detect	POST {Endpoint}/face/v1.0/ <input type="text"/> Request Body <pre>{   "faceId": "c5c24a82-6845-4031-9d5d-978df9175426",   "largeFaceListId": "sample_list",   "largeFaceListId": "sample_list",   "maxNumOfCandidatesReturned": 10,   "mode": " <input type="text"/> " }</pre>
findsimilars	
group	
identify	
matchFace	
matchPerson	
verify	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: findsimilars

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

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.

**NEW QUESTION 155**

- (Topic 3)

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

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

NOTE: Each correct selection is worth one point.

- A. Fiddler
- B. Bot Framework Composer
- C. Bot Framework Emulator
- D. Bot Framework CLI
- E. ngrok
- F. nginx

**Answer:** CE

**Explanation:**

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

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

Reference:

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

**NEW QUESTION 157**

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



**NEW QUESTION 160**

- (Topic 3)

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

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

**Answer: D**

**NEW QUESTION 165**

DRAG DROP - (Topic 3)

You need to analyze video content to identify any mentions of specific company names.

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 the specific company names to the exclude list.	
Sign in to the Custom Vision website.	
From Content model customization, select <b>Language</b> .	
Sign in to the Azure Video Analyzer for Media website.	
From Content model customization, select <b>Brands</b> .	
Add the specific company names to the include list.	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Actions	Answer Area
Add the specific company names to the exclude list.	Sign in to the Azure Video Analyzer for Media website.
Sign in to the Custom Vision website.	From Content model customization, select <b>Brands</b> .
From Content model customization, select <b>Language</b> .	Add the specific company names to the include list.
Sign in to the Azure Video Analyzer for Media website.	
From Content model customization, select <b>Brands</b> .	
Add the specific company names to the include list.	

**NEW QUESTION 169**

- (Topic 3)

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

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

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

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

- A. Yes
- B. No

**Answer: B**

**Explanation:**

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

**NEW QUESTION 172**

- (Topic 3)

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

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

Answer: D

**NEW QUESTION 173**

HOTSPOT - (Topic 3)

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

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

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

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

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

**NEW QUESTION 174**

- (Topic 3)

You have an Azure subscription that contains an Azure Cognitive Service for Language resource. You need to identify the URL of the REST interface for the Language service. Which blade should you use in the Azure portal?

- A. Identity
- B. Keys and Endpoint
- C. Properties
- D. Networking

Answer: B

**NEW QUESTION 179**

- (Topic 3)

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



What should you create in Cover BI Desktop;1

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

**Answer: C**

**NEW QUESTION 181**

DRAG DROP - (Topic 3)

Match the Azure Cosmos DB APIs to the appropriate data structures.

To answer, drag the appropriate API from the column on the left to its data structure on the right. Each API may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

APIs	Answer Area
Cassandra API	API   Graph data
Gremlin API	API   JSON documents
MongoDB API	API   Key/value data
Table API	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

APIs	Answer Area
Cassandra API	
Gremlin API	Gremlin API   Graph data
MongoDB API	MongoDB API   JSON documents
Table API	Table API   Key/value data

**NEW QUESTION 183**

- (Topic 3)

You are building an Azure WebJob that will create knowledge bases from an array of URLs.

You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.

You need to develop a method to create the knowledge bases.

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

NOTE: Each correct selection is worth one point.

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

**Answer: AC**

**Explanation:**

Reference:

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

**NEW QUESTION 188**

- (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 189**

- (Topic 3)

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

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

**Answer: B**

**NEW QUESTION 191**

- (Topic 3)

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

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

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

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

**Answer: A**

**NEW QUESTION 195**

- (Topic 3)

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

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 199**

- (Topic 2)

You are developing the chatbot.

You create the following components:

\* A QnA Maker resource

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

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

- A. QnADialogResponseOptions.CardNoMatchText
- B. Qna MakerOptions-ScoreThreshold
- C. Qna Maker Op t ions StrickFilters
- D. QnaMakerOptions.RankerType

**Answer: D**

**Explanation:**

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

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

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

Reference:

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

**NEW QUESTION 200**

- (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 202**

DRAG DROP - (Topic 2)

You are developing a solution for the Management-Bookkeepers group to meet the document processing requirements. The solution must contain the following components:

? A form Recognizer resource

? An Azure web app that hosts the Form Recognizer sample labeling tool

The Management-Bookkeepers group needs to create a custom table extractor by using the sample labeling tool.

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

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Step 1: Create a new project and load sample documents

Create a new project. Projects store your configurations and settings.

Step 2: Label the sample documents

When you create or open a project, the main tag editor window opens.

Step 3: Train a custom model. Finally, train a custom model.

**NEW QUESTION 206**

DRAG DROP - (Topic 1)

You are planning the product creation project.

You need to recommend a process for analyzing videos.

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

**Actions**

**Answer Area**

Index the video by using the Video Indexer API.

Upload the video to blob storage.

Analyze the video by using the Computer Vision API.

Extract the transcript from Microsoft Stream.

Send the transcript to the Language Understanding API as an utterance.

Extract the transcript from the Video Indexer API.

Translate the transcript by using the Translator API.

Upload the video to file storage.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

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

Step 1: Upload the video to blob storage

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

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

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

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

**NEW QUESTION 210**

HOTSPOT - (Topic 1)

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

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

NOTE: Each correct selection is worth one point.

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);
    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]
    if(c.Confidence>0.5) return(c.Text);
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes?> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description |
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);
    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]
    if(c.Confidence>0.5) return(c.Text);
}
```

**NEW QUESTION 214**

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 218**

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