QUESTION 70
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.
You plan to create a new Azure Cognitive Search service named service1.
You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.
Solution: You deploy service1 and a public endpoint, and you configure a network security group (NSG) for vnet1.
Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/private-link/private-link-overview

QUESTION 71
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

QUESTION 72
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:
https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/set-up-qnamaker-service-azure?tabs=v1#delete-azure-resources

QUESTION 73
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 (IAM) page for the authoring resources in the Azure portal
C. the Access control (IAM) page for the prediction resources in the Azure portal

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-collaborate

QUESTION 74
You are building a Language Understanding model for an e-commerce chatbot. Users can speak or type their billing address when prompted by the chatbot.
You need to construct an entity to capture billing addresses.
Which entity type should you use?

A. machine learned
B. Regex
C. list
D. Pattern.any

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types

QUESTION 75
You are building an Azure Weblob that will create knowledge bases from an array of URLs.
You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.
You need to develop a method to create the knowledge bases.
Which two actions should you include in the method? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Create a list of FileDTO objects that represents data from the WebJob.
B. Call the client.Knowledgebase.CreateAsync method.
C. Create a list of QnADTO objects that represents data from the WebJob.
D. Create a CreateKbDTO object.

Answer: AC

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https://www.braindump2go.com/ai-102.html

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

QUESTION 76
You are building a natural language model.
You need to enable active learning.
What should you do?

A. Add show-all-intents=true to the prediction endpoint query.
B. Enable speech priming.
C. Add log=true to the prediction endpoint query.
D. Enable sentiment analysis.

Answer: C
Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-queries-to-enable-active-learning

QUESTION 77
You are developing a solution to generate a word cloud based on the reviews of a company's products.
Which Text Analytics REST API endpoint should you use?

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

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/overview

QUESTION 78
You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service.
You plan to deploy the bot to Azure.
You register the bot by using the Bot Channels Registration service.
Which two values are required to complete the deployment? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. botId
B. tenantId
C. appId
D. objectId
E. appSecret

Answer: CE
Explanation:
https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md

QUESTION 79
Hotspot Question
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.

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Answer Area

```
var audioFormat = [                    ▼] (AudioStreamContainerFormat.MP3);
                  ┌──────────────────────────────────┐
                  │ AudioConfig.SetProperty           │
                  │ AudioStreamFormat.GetCompressedFormat │
                  │ AudioStreamFormat.GetWaveFormatPCM │
                  │ PullAudioInputStream              │
                  └──────────────────────────────────┘

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

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

using (var recognizer = new [          ▼] (speechConfig, audioConfig))
                            ┌─────────────────────┐
                            │ KeywordRecognizer    │
                            │ SpeakerRecognizer    │
                            │ SpeechRecognizer     │
                            │ SpeechSynthesizer    │
                            └─────────────────────┘
    {
    var result = await recognizer.RecognizeOnceAsync();

    var text = result.Text;

    }
```

Answer:

Answer Area

```
var audioFormat = [                    ▼] (AudioStreamContainerFormat.MP3);
                  ┌──────────────────────────────────┐
                  │ AudioConfig.SetProperty           │
                  │ AudioStreamFormat.GetCompressedFormat │ (highlighted)
                  │ AudioStreamFormat.GetWaveFormatPCM │
                  │ PullAudioInputStream              │
                  └──────────────────────────────────┘

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

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

using (var recognizer = new [          ▼] (speechConfig, audioConfig))
                            ┌─────────────────────┐
                            │ KeywordRecognizer    │
                            │ SpeakerRecognizer    │
                            │ SpeechRecognizer     │ (highlighted)
                            │ SpeechSynthesizer    │
                            └─────────────────────┘
    {
    var result = await recognizer.RecognizeOnceAsync();

    var text = result.Text;

    }
```

Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-use-codec-compressed-audio-input-streams?tabs=debian&pivots=programming-language-csharp

QUESTION 80
Hotspot Question
You are developing an internet-based training solution for remote learners.
Your company identifies that during the training, some learners leave their desk for long periods or become distracted.
You need to use a video and audio feed from each learner's computer to detect whether the learner is present and paying attention. The solution must minimize development effort and identify each learner.
Which Azure Cognitive Services service should you use for each requirement? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

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

▼
Face
Speech
Text Analytics

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

▼
Face
Speech
Text Analytics

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

▼
Face
Speech
Text Analytics

Answer:

Answer Area

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

▼
Face
Speech
Text Analytics

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

▼
Face
Speech
Text Analytics

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

▼
Face
Speech
Text Analytics

Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/what-are-cognitive-services

QUESTION 81
Hotspot Question
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.

Answer Area

```
curl -H "Ocp-Apim-Subscription-Key: xxx" /

-o "sample.png" -H "Content-Type: application/json" /

[                                    ▼] /vision/v3.1/ [                    ▼] ?width=100&height=100&smartCropping=true" /
"https://api.projectoxford.ai                          areaOfInterest
"https://contoso1.cognitiveservices.azure.com          detect
"https://westus.api.cognitive.microsoft.com            generateThumbnail

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

Answer:

Answer Area

```
curl -H "Ocp-Apim-Subscription-Key: xxx" /

-o "sample.png" -H "Content-Type: application/json" /

[                                    ▼] /vision/v3.1/ [                    ▼] ?width=100&height=100&smartCropping=true" /
"https://api.projectoxford.ai                          areaOfInterest
"https://contoso1.cognitiveservices.azure.com          detect
"https://westus.api.cognitive.microsoft.com            generateThumbnail

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

Explanation:
https://westus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a499f21b
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-generating-thumbnails#examples

QUESTION 82
Drag and Drop Question
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	**Cognitive Insights Widget**
false	https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets= [Value] controls= [Value]
people,keywords	
people,search	**Player Widget**
search	https://www.videoindexer.ai/embed/player/<accountId>/<videoId>/? showcaptions= [Value] captions= [Value]
true	

Answer:

Explanation:
https://docs.microsoft.com/en-us/azure/azure-video-analyzer/video-analyzer-for-media-docs/video-indexer-embed-widgets

QUESTION 83
Drag and Drop Question
You train a Custom Vision model to identify a company's products by using the Retail domain.
You plan to deploy the model as part of an app for Android phones.
You need to prepare the model for deployment.
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.

Answer:

Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model

QUESTION 84

Hotspot Question
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.

Answer Area

Statements	Yes	No
The code will add a face image to a person object in a person group.	O	O
The code will work for a group of 10,000 people.	O	O
AddFace can be called multiple times to add multiple face images to a person object.	O	O

Answer:

Answer Area

Statements	Yes	No
The code will add a face image to a person object in a person group.	●	O
The code will work for a group of 10,000 people.	O	●
AddFace can be called multiple times to add multiple face images to a person object.	●	O

Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/use-persondirectory

QUESTION 85
Drag and Drop Question
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

Answer:

Actions

| Use the ExportIteration endpoint on acvdev. |
| Use the GetIterations endpoint on acvdev. |
| Use the UpdateProject endpoint on acvprod. |

Answer Area

| Use the GetProjects endpoint on acvdev. |
| Use the ExportProject endpoint on acvdev. |
| Use the ImportProject endpoint on acvprod. |

Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/copy-move-projects

QUESTION 86
Drag and Drop Question
You train a Custom Vision model used in a mobile app.
You receive 1,000 new images that do not have any associated data.
You need to use the images to retrain the model. The solution must minimize how long it takes to retrain the model.
Which three actions should you perform in the Custom Vision portal? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

| Upload the images by category. |
| Get suggested tags. |
| Upload all the images. |
| Group the images locally into category folders. |
| Review the suggestions and confirm the tags. |
| Tag the images manually. |

Answer Area

Answer:

Actions		Answer Area

Group the images locally into category folders.

Upload the images by category.

Tag the images manually.

Get suggested tags.

Upload all the images.

Review the suggestions and confirm the tags.

Explanation:

https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier

QUESTION 87
Hotspot Question
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.

Answer Area

```
. . .

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

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

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

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

. . .
```

Answer:

Answer Area

```
. . .
var endpoint = [                                              ▼ ] ;
```

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

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

```
[                                              ▼ ]
```

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

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

QUESTION 88
Drag and Drop Question
You have a web app that uses Azure Cognitive Search.
When reviewing billing for the app, you discover much higher than expected charges. You suspect that the query key is compromised.
You need to prevent unauthorized access to the search endpoint and ensure that users only have read only access to the documents collection. The solution must minimize app downtime.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

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

Answer Area

Answer:

Actions

Regenerate the secondary admin key.

Change the app to use the secondary admin key.

Regenerate the primary admin key.

Answer Area

Add a new query key.

Change the app to use the new key.

Delete the compromised key.

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

QUESTION 89
Hotspot Question
You are building a bot and that will use Language Understanding.
You have a LUDown file that contains the following content.

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

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

## Logout
- forget me
- log out

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

## SelectNone
- none

@ ml DirectionalReference
@ prebuilt personName
```

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

Answer Area

SelectItem is **[answer choice]**.
- a domain
- an entity
- an intent
- an utterance

Choose {@DirectionalReference=top right} is **[answer choice]**.
- a domain
- an entity
- an intent
- an utterance

Answer:

Answer Area

SelectItem is **[answer choice]**.
- a domain
- an entity
- **an intent**
- an utterance

Choose {@DirectionalReference=top right} is **[answer choice]**.
- a domain
- an entity
- an intent
- **an utterance**

Explanation:
https://github.com/solliancenet/tech-immersion-data-ai/blob/master/ai-exp1/README.md

QUESTION 90
Hotspot Question
You are designing a conversation flow to be used in a chatbot.
You need to test the conversation flow by using the Microsoft Bot Framework Emulator.
How should you complete the .chat file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
user=User1
bot=watchbot
user: I want a new watch.

bot: [  [ Attachment ▼ ]  ][Delay=3000]
           Attachment
           ConversationUpdate
           Typing

bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot:

[AttachmentLayout=  [ adaptivecard ▼ ]  ]
                      adaptivecard
                      carousel
                      thumbnail

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

bot: [Attachment=cards\watchProfileCard.json  [ adaptivecard ▼ ]  ]
user: That's nice! Thank you.                   adaptivecard
bot: Sure, you are most welcome!                carousel
                                                list
```

Answer:

Answer Area

```
user=User1
bot=watchbot
user: I want a new watch.

bot: [  [ ▼ ]  ][Delay=3000]
       | Attachment           |
       | ConversationUpdate   |
       | Typing               |

bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot:

[AttachmentLayout=  [ ▼ ]  ]
                   | adaptivecard |
                   | carousel     |
                   | thumbnail    |

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

bot: [Attachment=cards\watchProfileCard.json   [ ▼ ]  ]
user: That's nice! Thank you.           | adaptivecard |
bot: Sure, you are most welcome!        | carousel     |
                                        | list         |
```

Explanation:
https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-add-media-attachments?view=azure-bot-service-4.0&tabs=csharp