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QUESTION 1

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 CreaceKbDTO object.

Correct Answer: BD

https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/quickstart-sdk?tabs=v1%2Cversion-1andpivots=programming-language-csharp

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QUESTION 2

You have a factory that produces food products.

You need to build a monitoring solution for staff compliance with personal protective equipment (PPE) requirements.

The solution must meet the following requirements:

1.

 identify staff who have removed masks or safety glasses.

2.

 Perform a compliance check every 15 minutes.

3.

 Minimize development effort.

4.

 Minimize costs. Which service should you use?

A. Face

B. Computer Vision

C. Azure Video Analyzer for Media (formerly Video indexer)

Correct Answer: A

Face API is an AI service that analyzes faces in images.

Embed facial recognition into your apps for a seamless and highly secured user experience. No machine-learning expertise is required. Features include face detection that perceives facial features and attributes " such as a face mask,

glasses, or face location " in an image, and identification of a person by a match to your private repository or via photo ID.

Reference:

https://azure.microsoft.com/en-us/services/cognitive-services/face/

QUESTION 3

You have an Azure subscription that contains an Anomaly Detector resource.

You deploy a Docker host server named Server 1 to the on-premises network.

You need to host an instance of the Anomaly Detector service on Server 1.

Which parameter should you include in the docker run command?

A. Fluentd

B. Billing

C. Http Proxy

D. Mounts

Correct Answer: B

QUESTION 4

DRAG DROP

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.)

Select and Place:

Actions

Index the video by using the Azure Video Analyzer for Media (previously 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 Azure Video Analyzer for Media (previously Video Indexer) API.

Translate the transcript by using the Translator API.

Upload the video to file storage.

Answer Area

Correct Answer:

Actions	Answer Area
	Upload the video to blob storage.
	Index the video by using the Azure Video Analyzer for Media (previously Video Indexer) API.
Analyze the video by using the Computer Vision API.	Extract the transcript from the Azure Video Analyzer for Media (previously Video Indexer) API.
Extract the transcript from Microsoft Stream.	Translate the transcript by using the Translator API.
Send the transcript to the Language Understanding API as an utterance.	
Upload the video to file storage.	

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.

Reference:

https://azure.microsoft.com/en-us/blog/get-video-insights-in-even-more-languages/

https://docs.microsoft.com/en-us/azure/media-services/video-indexer/video-indexer-output-json-v2

QUESTION 5

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

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

Which Azure Cognitive Services service should you use?

A. Custom Vision

B. Personalizer

C. Form Recognizer

D. Computer Vision

Correct Answer: C

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

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

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

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QUESTION 6

You have an Azure Cognitive Search solution and a collection of handwritten letters stored as JPEG files.

You plan to index the collection. The solution must ensure that queries can be performed on the contents of the letters.

You need to create an indexer that has a skillset.

Which skill should you include?

A. image analysis

B. optical character recognition (OCR)

C. key phrase extraction

D. document extraction

Correct Answer: B

To ensure that queries can be performed on the contents of the letters, the skill that should be included in the indexer is optical character recognition (OCR).

Option B, optical character recognition (OCR), is a technology that can recognize text within an image and convert it into machine-readable text. This skill will enable the search engine to read the handwritten letters and convert them into

searchable text that can be indexed by Azure Cognitive Search.

Option A, image analysis, is a useful skill for analyzing images to extract metadata, but it does not directly enable text recognition.

Option C, key phrase extraction, extracts important phrases and concepts from text, but it requires the text to be already recognized and extracted by OCR or other text extraction techniques.

Option D, document extraction, is a skill that extracts specific pieces of information from documents, but it does not address the challenge of recognizing and extracting text from handwritten letters.

QUESTION 7

You are developing the chatbot.

You create the following components:

1.

A QnA Maker resource

2.

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. QnAMakerOptions.StrictFilters

B. QnADialogResponseOptions.CardNoMatchText

C. QnAMakerOptions.RankerType

D. QnAMakerOptions.ScoreThreshold

Correct Answer: D

Technical Requirements says "AI solution responses must have a confidence score that is equal to or greater than 70 percent" and "When the response confidence score is low, ensure that the chatbot can provide other response options to the customers" https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/confidence-score#set-threshold

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QUESTION 8

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

Correct Answer: A

QUESTION 9

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

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

What are two methods you can use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. From the language authoring REST endpoint, retrieve the model evaluation summary.

B. From Language Studio, enable Active Learning, and then validate the utterances logged for review.

C. From Language Studio, select Model performance.

D. From the Azure portal, enable log collection in Log Analytics, and then analyze the logs.

Correct Answer: AC

QUESTION 10

HOTSPOT

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

Hot Area:

Statements	Yes	No
Azure Databricks is an Apache Spark-based analytics platform.	○	○
Azure Analysis Services is used for transactional workloads.	○	○
Azure Data Factory orchestrates data integration workflows.	○	○

Correct Answer:

Statements	Yes	No
Azure Databricks is an Apache Spark-based analytics platform.	○	○
Azure Analysis Services is used for transactional workloads.	○	○
Azure Data Factory orchestrates data integration workflows.	○	○

QUESTION 11

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

A. SQL Server on Azure Virtual Machines

B. Azure SOL Database

C. Azure HDInsight

D. Azure Cosmos DB

Correct Answer: B

QUESTION 12

You need to implement a table projection to generate a physical expression of an Azure Cognitive Search index.

Which three properties should you specify in the skillset definition JSON configuration table node? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

A. tableName

B. generatedKeyName

C. dataSource

D. dataSourceConnection

E. source

Correct Answer: ABE

Defining a table projection.

Each table requires three properties:

tableName: The name of the table in Azure Storage. generatedKeyName: The column name for the key that uniquely identifies this row. source: The node from the enrichment tree you are sourcing your enrichments from. This node is usually

the output of a shaper, but could be the output of any of the skills.

Reference:

https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview

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QUESTION 13

You are building an app that will include one million scanned magazine articles. Each article will be stored as an image file.

You need to configure the app to extract text from the images. The solution must minimize development effort.

What should you include in the solution?

A. Computer Vision Image Analysis

B. the Read API in Computer Vision

C. Form Recognizer

D. Azure Cognitive Service for Language

Correct Answer: B

Use this interface to get the result of a Read operation, employing the state-of-the-art Optical Character Recognition (OCR) algorithms optimized for text-heavy documents.

https://learn.microsoft.com/en-us/rest/api/computervision/3.2preview2/read/read?tabs=HTTP

QUESTION 14

You have an Azure Cognitive Services model named Model1 that identifies the intent of text input.

You develop an app in C# named App1.

You need to configure App1 to use Model1.

Which package should you add to App1?

A. Universal.Microsoft.CognitiveServices.Speech

B. SpeechServicesToolkit

C. Azure.AI.Language.Conversations

D. Xamarin.Cognitive.Speech

Correct Answer: C

https://learn.microsoft.com/en-us/dotnet/api/overview/azure/ai.language.conversations-readme?view=azure-dotnet

Conversational Language Understanding - aka CLU for short - is a cloud-based conversational AI service which provides many language understanding capabilities like:

-Conversation App: It\\'s used in extracting intents and entities in conversations

Start by importing the namespace for the ConversationAnalysisClient and related class:

-using Azure.AI.Language.Conversations;

QUESTION 15

HOTSPOT

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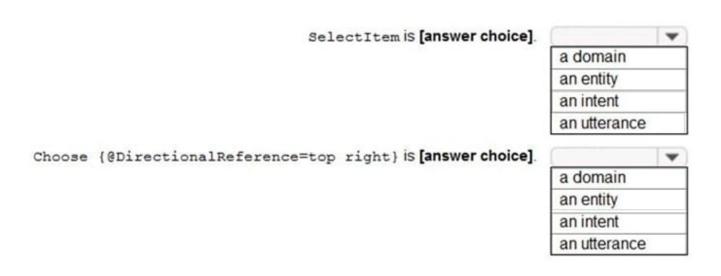
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.
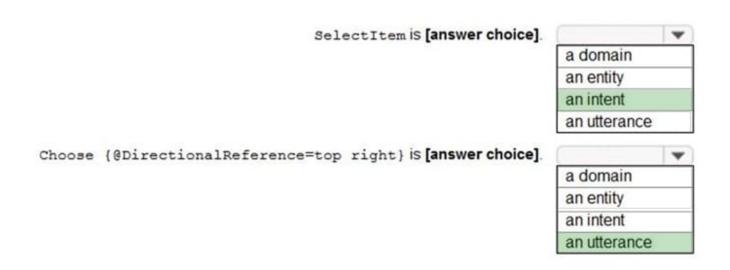
Hot Area:

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

Correct 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

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

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