



Microsoft

Exam Questions AI-901

Microsoft Azure AI Fundamentals (Updated Version)

NEW QUESTION 1

HOTSPOT

Select the answer that correctly completes the sentence.

When content is submitted to Azure Content Understanding in Foundry Tools,
 the analysis is

▼

synchronous

asynchronous

returned only as unstructured plain text

limited to optical character recognition (OCR)-only processing

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

When content is submitted to Azure Content Understanding in Foundry Tools,
 the analysis is

▼

synchronous

asynchronous

returned only as unstructured plain text

limited to optical character recognition (OCR)-only processing

NEW QUESTION 2

HOTSPOT

You are developing a voice application that listens for spoken commands and converts them into text by using Azure Speech in Foundry Tools.
 How should you complete the Python code? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
import azure.cognitiveservices.speech as speechsdk
...
speech_config = speechsdk.SpeechConfig(subscription=key, region=region)
recognizer = speechsdk.SpeechRecognizer(speech_config=speech_config)
```

▼

recognizer.recognize_once()

recognizer.speak_text_async("Ready")

recognizer.start_continuous_recognition()

recognizer.start_keyword_recognition()

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

The correct Python method is:

recognizer.recognize_once()

Completed code:

```
import azure.cognitiveservices.speech as speechsdk
speech_config = speechsdk.SpeechConfig(subscription=key, region=region)
recognizer = speechsdk.SpeechRecognizer(speech_config=speech_config)
recognizer.recognize_once()
```

Microsoft's Azure Speech documentation for Foundry Tools explains that Speech to text is used for real-time speech recognition and converting spoken audio into text. The Python Speech SDK uses a SpeechRecognizer object for recognition from audio input, such as a microphone.

Why the other options are incorrect:

recognizer.speak_text_async("Ready") is incorrect because speaking text is text-to-speech, not speech-to-text recognition.

recognizer.start_continuous_recognition() can be used for continuous recognition, but the code shown is asking for the basic method to recognize spoken input and convert it to text from the SpeechRecognizer.

recognizer.start_keyword_recognition() is used for keyword/wake-word recognition, not general speech-to-text transcription of spoken commands.

Therefore, the correct answer is:

recognizer.recognize_once()

NEW QUESTION 3

HOTSPOT

Select the answer that correctly completes the sentence.

Answer Area

After deploying a vision-enabled GPT model in Microsoft Foundry, you can configure an application to send requests to the .

endpoint of the model

evaluation pipeline of model

Foundry playground

training dataset of the model

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

After deploying a vision-enabled GPT model in Microsoft Foundry, you can configure an application to send requests to the .

endpoint of the model

evaluation pipeline of model

Foundry playground

training dataset of the model

NEW QUESTION 4

You are developing an application that analyzes voicemail recordings by using Azure Content Understanding in Foundry Tools. You need to extract a transcript and structured information from the recordings. Which type of analyzer should you use?

- A. document analyzer
- B. video analyzer
- C. audio analyzer
- D. image analyzer

Answer: C

NEW QUESTION 5

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.

Answer Area

Statements	Yes	No
Evaluators in Microsoft Foundry replace the need for configuring token limits.	☐	☐
Evaluators in Microsoft Foundry can assess the quality and safety of responses generated by a generative AI model.	☐	☐
Evaluators in Microsoft Foundry can retrain a deployed generative AI model automatically when quality issues are detected.	☐	☐

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area	
Statements	
Evaluators in Microsoft Foundry replace the need for configuring token limits.	Yes No ☐ ☒
Evaluators in Microsoft Foundry can assess the quality and safety of responses generated by a generative AI model.	☒ ☐
Evaluators in Microsoft Foundry can retrain a deployed generative AI model automatically when quality issues are detected.	☐ ☒

NEW QUESTION 6

Your company processes customer support emails.
You need to implement an AI solution that automatically identifies mentions of people, organizations, and locations in the emails.
Which text analysis technique should you use?

- A. sentiment analysis
- B. Named Entity Recognition (NER)
- C. summarization
- D. key phrase extraction

Answer: B

NEW QUESTION 7

HOTSPOT
Select the answer that correctly complete the sentence.

Answer Area	
The Model catalog Monitor page Service endpoints page Solution templates page is used for comparing and deploying a wide range of models for generative AI development in Microsoft Foundry.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area	
The Model catalog Monitor page Service endpoints page Solution templates page is used for comparing and deploying a wide range of models for generative AI development in Microsoft Foundry.	

NEW QUESTION 8

HOTSPOT
You are developing an application that analyze invoices by using Azure Content Understanding in Foundry Tools.
You need to ensure that the application retrieves the analysis results after processing completes.
How should you complete the Python code? To answer, select the appropriate option in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
poller = client.begin_analyze(  
    analyzer_id="invoice",  
    input_url=url  
)  
result = poller. ( )
```

get_results

result

status

wait

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
poller = client.begin_analyze(  
    analyzer_id="invoice",  
    input_url=url  
)  
result = poller. ( )
```

get_results

result

status

wait

NEW QUESTION 9

You have a Microsoft Foundry project that contains a vision-enabled model deployment. You are developing an application that sends images to the model. You need to ensure that the model can analyze the images. In which two formats can you provide the images? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. a JSON document that describes the image content
- B. a UTF-8 encoded text description of the image
- C. a publicly accessible URL of the image
- D. a base64 encoded image data string

Answer: CD

NEW 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.

Answer Area

Statements	Yes	No
The Temperature parameter can be set before deploying a model.	☐	☐
During inference, the model name is used to route requests to a specific deployment.	☐	☐
After a model is deployed, both code and testing tools can be used to interact with the model.	☐	☐

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The Temperature parameter can be set before deploying a model.	☐	☒
During inference, the model name is used to route requests to a specific deployment.	☐	☒
After a model is deployed, both code and testing tools can be used to interact with the model.	☒	☐

NEW QUESTION 10

You have a Microsoft Foundry project that contains an agent named Agent1.
You need to ensure that Agent1 always calls an Azure function when the agent responds to user input.
To what should you set tool_choice for Agent1?

- A. auto
- B. none
- C. required

Answer: C

NEW QUESTION 12

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