

Microsoft

Exam Questions AI-901

Microsoft Azure AI Fundamentals (Updated Version)



NEW QUESTION 1

You need to convert written customer notifications into natural-sounding spoken audio that can be played over a phone system. Which Azure Speech in Foundry Tools capability should you use?

- A. speaker recognition
- B. speech synthesis
- C. speech recognition
- D. speech translation

Answer: B

Explanation:

The requirement is to convert written customer notifications into natural-sounding spoken audio. This is speech synthesis, also known as text to speech. Microsoft's Azure Speech documentation describes text to speech as a capability that converts text into natural-sounding synthesized speech. Therefore, for playing written notifications over a phone system, the correct Azure Speech capability is speech synthesis. Why the other options are incorrect:
* A. speaker recognition identifies or verifies speakers by voice.
* C. speech recognition converts spoken audio into text.
* D. speech translation translates spoken audio between languages.

NEW QUESTION 2

You are developing an application that extracts fields from PDFs by using Azure Content Understanding in Foundry Tools. You need to use the Python SDK to submit a PDF for analysis and retrieve the extraction results. What should you do?

- A. Call begin_analyze(), and then call poller.result() to retrieve the results.
- B. Submit the PDF to an analyzer and read the results from the request headers.
- C. Use optical character recognition (OCR) to extract text from the PDF and map the fields in the code.
- D. Call analyze() to return the extracted fields synchronously in the same request.

Answer: A

NEW QUESTION 3

You are using the Azure Speech SDK to develop a Python application that supports real-time spoken conversations. Which Azure speech class should you use to configure the connection to the Azure Speech service?

- A. AudioConfig
- B. SpeechSynthesizer
- C. AuditOutputConfig

Answer: C

NEW QUESTION 4

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	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.	☐	☒

NEW QUESTION 5
You are developing an AI-powered customer support application.
Which task is an example of the Microsoft responsible AI principle of inclusiveness?

- A. Provide explanations about how predictions are generated.
- B. Design the interface to support multiple languages and screen readers.
- C. Evaluate model outputs across demographic groups to reduce bias.
- D. Encrypt stored customer data and restrict access by using role-based controls.

Answer: B

NEW QUESTION 6
HOTSPOT
Select the answer that correctly completes the sentence.

Answer Area

To define an agent's role and behaviors, you must configure a

deployment slot

embedding index

fine tuning job

system prompt

 for the agent.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

To define an agent's role and behaviors, you must configure a

deployment slot

embedding index

fine tuning job

system prompt

 for the agent.

NEW QUESTION 7
You have a Microsoft Foundry project that has a generative AI model deployment.
You need to ensure that responses generated by the model minimize costs and remain within a defined length.
Which parameter should you configure?

- A. Temperature
- B. Max Completion Tokens
- C. Top P
- D. Model version settings

Answer: B

NEW QUESTION 8

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 9

You are developing an application that processes voicemail recordings by using Azure Content Understanding in Foundry Tools.
Which feature does Azure Content Understanding use to convert audio to text?

- A. Voice Live
- B. key phrase extraction
- C. transcription
- D. optical character recognition (OCR)

Answer: C

Explanation:

Azure Content Understanding usestranscriptionto convert audio content, such as voicemail recordings, into text. Microsoft??s Azure Content Understanding audio documentation states that transcription converts conversational audio into searchable and analyzable text-based transcripts.

OptionA. Voice Liveis not the feature used by Content Understanding to convert voicemail recordings into text.

OptionB. key phrase extractionidentifies important phrases after text is available; it is not the audio-to-text conversion step.

OptionD. optical character recognition (OCR)is for extracting text from images or documents, not audio.

Therefore, the correct answer isC. transcription.

NEW QUESTION 10

HOTSPOT

Select the answer that correctly completes the sentence.

Answer Area

An AI workload that produces new content based on user input is an example of

content understanding

generative AI

information extraction

text analysis

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

An AI workload that produces new content based on user input is an example of

content understanding

generative AI

information extraction

text analysis

NEW QUESTION 10

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