

Microsoft

Exam Questions AI-901

Microsoft Azure AI Fundamentals (Updated Version)



NEW QUESTION 1

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 2

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
An AI generative model is retrained before performing each user request.	☐	☐
An AI agent responds by copying and pasting answers stored in a database.	☐	☐
An AI agent uses a generative AI model to establish actions based on user input.	☐	☐

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
An AI generative model is retrained before performing each user request.	☐	☒
An AI agent responds by copying and pasting answers stored in a database.	☐	☒
An AI agent uses a generative AI model to establish actions based on user input.	☒	☐

NEW QUESTION 3

You need to build an AI solution that generates marketing email drafts based on a short description of a product and its target audience. Which AI workload should you use?

- A. generative AI
- B. computer vision
- C. text classification
- D. speech recognition

Answer: A

NEW QUESTION 4

You have a Microsoft Foundry project that contains a vision-enabled model deployment. You use the Azure OpenAI Responses API to send a prompt to the model. You need to provide an image for analysis. Which content item should you include in the request?

- A. `image_base64`
- B. `image_generation`
- C. `output_image`
- D. `input_image`

Answer: D

NEW QUESTION 5

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 6

DRAG DROP

You have a Microsoft Foundry project that contains a model deployment.

You are developing an application that sends an image and a user question to the model. You need to send both text and image content in the same request so the model can return an answer.

How should you complete the Python code? 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

input_image

input_text

input_url

output_image

output_text

Answer Area

```
input=[
    {
        "role": "user",
        "content": [
            {"type": "image_url", "image_url": "image_url"},
            {"type": "text", "text": "What is in this image? Provide 3 bullet points."},
        ],
    },
]
response = client.chat.completions.create(model=model, messages=input)
print(response.output_text)
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

☐ input_image
☐ input_text
☐ input_url
☐ output_image
☐ output_text

Answer Area

```

input=[
    {
        "role": "user",
        "content": [
            {"type": "text", "text": "What is in this image? Provide 3 bullet points."},
            {"type": "image", "image_url": image_url}
        ]
    }
]

print(response.output_text)

```

NEW QUESTION 7

You have an Azure subscription.
 You need to use Azure Content Understanding in Foundry Tools to extract structured data from invoices.
 What should you provision?

- A. an Azure OpenAI resource
- B. a Microsoft Foundry resource
- C. A Microsoft Foundry project
- D. an Azure AI Search service

Answer: B

NEW QUESTION 8

Based on the image provided, here is the transcribed text:
 You need to build an AI solution that produces new product images based on written descriptions provided by users. Which AI workload should you use?

- A. image generation
- B. image analysis
- C. object detection
- D. optical character recognition (OCR)

Answer: A

NEW QUESTION 9

You need to compare the costs of large language models (LLMs) for a generative AI solution.
 What should you use in the Microsoft Foundry portal?

- A. Evaluator catalog
- B. Model leaderboard
- C. Compliance
- D. Tools

Answer: B

Explanation:

To compare the costs of large language models in Microsoft Foundry portal, use the Model leaderboard. Microsoft documentation states that the model leaderboard helps compare models across quality, safety, estimated cost, and throughput. It also supports trade-off charts and side-by-side model comparison for features, performance, and estimated cost.

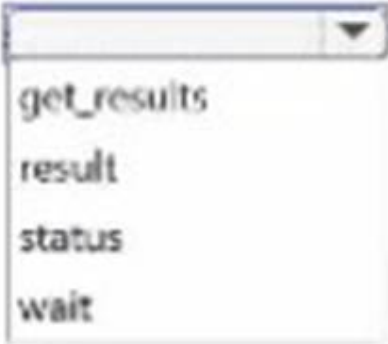
Why the other options are incorrect:

- * A. Evaluator catalog is for selecting evaluators to measure model or application outputs, not comparing LLM costs.
- * C. Compliance relates to governance and compliance, not model cost comparison.
- * D. Tools provides Foundry tools, not benchmarked cost comparison across models.

NEW QUESTION 10

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

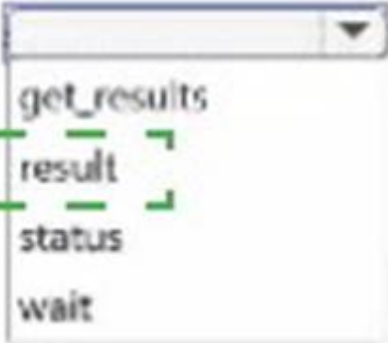
```
poller = client.begin_analyze(  
    analyzer_id="invoice",  
    input_url=url  
)  
result = poller.  ()
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 10

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 13

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 16

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 19

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