



AI-102^{Q&As}

Designing and Implementing a Microsoft Azure AI Solution

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QUESTION 1

What is a primary characteristic of a relational database?

- A. data is queried and manipulated by using a variant of the SQL language
- B. a lack of dependencies between tables
- C. a flexible data structure
- D. a large amount of duplicate data

Correct Answer: C

QUESTION 2

DRAG DROP

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.

Select and Place:

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



Correct Answer:



Actions

Answer Area

Reference: <https://docs.microsoft.com/en-us/azure/search/search-security-api-keys>

QUESTION 3

You are building a chatbot for a travel agent. The bot will ask users for a destination and must repeat the question until a valid input is received, or the user closes the conversation. Which type of dialog should you use?

- A. prompt
- B. input
- C. adaptive
- D. QnA Maker

Correct Answer: A

<https://learn.microsoft.com/en-us/azure/bot-service/bot-builder-concept-dialog?view=azure-bot-service-4.0#dialog-types>
The dialogs library provides a few types of dialogs to make your bot's conversations easier to manage.

-prompt dialogs

Ask the user for input and return the result. A prompt will repeat until it gets valid input or it's canceled. They're designed to work with waterfall dialogs.

QUESTION 4

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 to a new virtual network, and you configure Azure Private Link.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal#use-private-endpoints>

QUESTION 5

You have an app that captures live video of exam candidates.

You need to use the Face service to validate that the subjects of the videos are real people.

What should you do?

- A. Call the face detection API and retrieve the face rectangle by using the FaceRectangle attribute.
- B. Call the face detection API repeatedly and check for changes to the FaceAttributes.HeadPose attribute.
- C. Call the face detection API and use the FaceLandmarks attribute to calculate the distance between pupils.
- D. Call the face detection API repeatedly and check for changes to the FaceAttributes.Accessories attribute.

Correct Answer: B

<https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/use-headpose#detect-head-gestures>

You can detect head gestures like nodding and head shaking by tracking HeadPose changes in real time. You can use this feature as a custom liveness detector.

Liveness detection is the task of determining that a subject is a real person and not an image or video representation. A head gesture detector could serve as one way to help verify liveness, especially as opposed to an image representation of a person.