

AI-102^{Q&As}

Designing and Implementing a Microsoft Azure AI Solution

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QUESTION 1

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

A block of code that runs in a database is called

- a stored procedure.
- a table.
- a view.
- an index.

Correct Answer:

A block of code that runs in a database is called

- a stored procedure.
- a table.
- a view.
- an index.

QUESTION 2

You need to build a chatbot that meets the following requirements: Supports chit-chat, knowledge base, and multilingual models Performs sentiment analysis on user messages Selects the best language model automatically

What should you integrate into the chatbot?

- A. QnA Maker, Language Understanding, and Dispatch
- B. Translator, Speech, and Dispatch
- C. Language Understanding, Text Analytics, and QnA Maker
- D. Text Analytics, Translator, and Dispatch

Correct Answer: C

Language Understanding: An AI service that allows users to interact with your applications, bots, and IoT devices by using natural language.

QnA Maker is a cloud-based Natural Language Processing (NLP) service that allows you to create a natural conversational layer over your data. It is used to find the most appropriate answer for any input from your custom knowledge base (KB) of information.

Text Analytics: Mine insights in unstructured text using natural language processing (NLP)--no machine learning expertise required. Gain a deeper understanding of customer opinions with sentiment analysis. The Language Detection feature of the Azure Text Analytics REST API evaluates text input

Reference: <https://azure.microsoft.com/en-us/services/cognitive-services/text-analytics/> <https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/overview>

QUESTION 3

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 4

You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service.

You plan to deploy the bot to Azure.

You register the bot by using the Bot Channels Registration service.

Which two values are required to complete the deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. botId
- B. tenanclId

- C. appld
- D. objecld
- E. appSecrec

Correct Answer: CE

Reference:

<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md>

QUESTION 5

You are building a flight booking bot by using the Microsoft Bot Framework SDK.

The bot will ask users for the departure date. The bot must repeat the question until a valid date is given, or the users cancel the transaction.

Which type of dialog should you use?

- A. prompt
- B. adaptive
- C. waterfall
- D. action

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.

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