

➤ **Vendor: Microsoft**➤ **Exam Code: AI-900**➤ **Exam Name: Microsoft Azure AI Fundamentals**➤ **New Updated Questions from [Braindump2go](https://www.braindump2go.com) (Updated in [April/2022](https://www.braindump2go.com))****Visit Braindump2go and Download Full Version AI-900 Exam Dumps****QUESTION 117**

Hotspot Question

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
You can communicate with a bot by using Cortana.	<input type="radio"/>	<input type="radio"/>
You can communicate with a bot by using Microsoft Teams.	<input type="radio"/>	<input type="radio"/>
You can communicate with a bot by using a webchat interface.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Statements	Yes	No
You can communicate with a bot by using Cortana.	<input checked="" type="radio"/>	<input type="radio"/>
You can communicate with a bot by using Microsoft Teams.	<input checked="" type="radio"/>	<input type="radio"/>
You can communicate with a bot by using a webchat interface.	<input checked="" type="radio"/>	<input type="radio"/>

**QUESTION 118**

You plan to develop a bot that will enable users to query a knowledge base by using natural language processing. Which two services should you include in the solution? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. QnA Maker
- B. Azure Bot Service
- C. Form Recognizer
- D. Anomaly Detector

**[AI-900 Exam Dumps](https://www.braindump2go.com/ai-900.html) [AI-900 Exam Questions](https://www.braindump2go.com/ai-900.html) [AI-900 PDF Dumps](https://www.braindump2go.com/ai-900.html) [AI-900 VCE Dumps](https://www.braindump2go.com/ai-900.html)****<https://www.braindump2go.com/ai-900.html>**

**Answer:** AB

**Explanation:**

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/choose-natural-language-processing-service>

#### QUESTION 119

In which two scenarios can you use a speech synthesis solution? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. an automated voice that reads back a credit card number entered into a telephone by using a numeric keypad
- B. generating live captions for a news broadcast
- C. extracting key phrases from the audio recording of a meeting
- D. an AI character in a computer game that speaks audibly to a player

**Answer:** AD

**Explanation:**

Azure Text to Speech is a Speech service feature that converts text to lifelike speech.

Incorrect Answers:

C: Extracting key phrases is not speech synthesis.

Reference:

<https://azure.microsoft.com/en-in/services/cognitive-services/text-to-speech/>

#### QUESTION 120

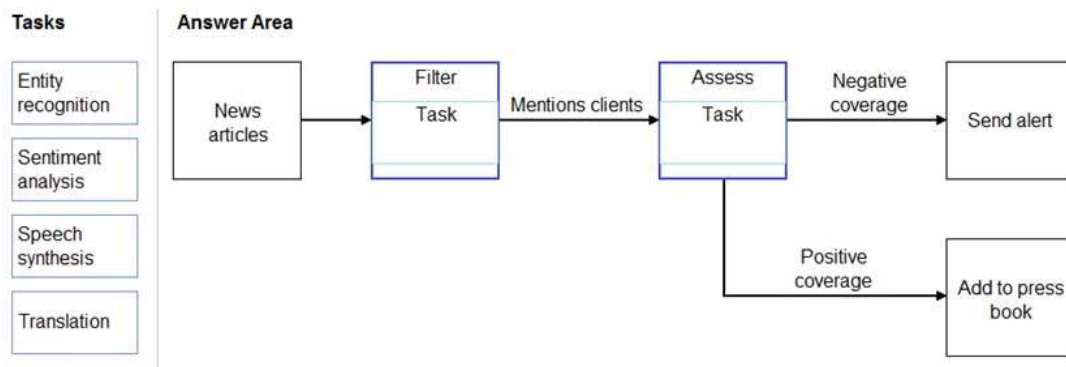
Drag and Drop Question

You need to scan the news for articles about your customers and alert employees when there is a negative article.

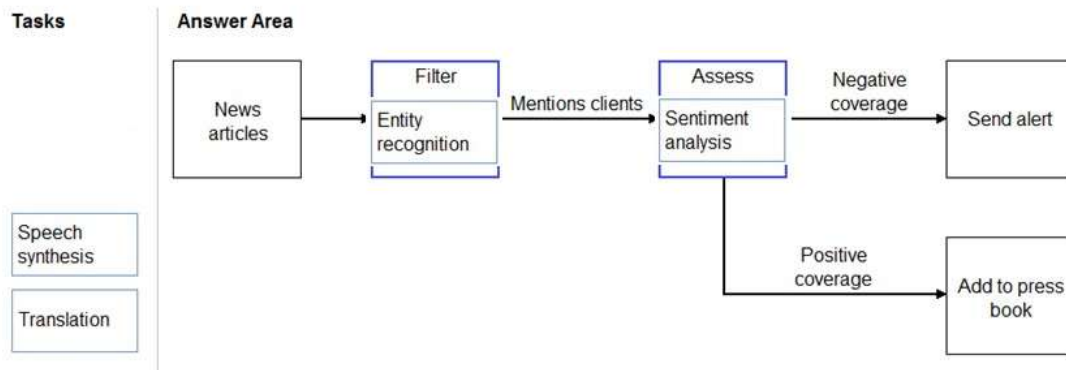
Positive articles must be added to a press book.

Which natural language processing tasks should you use to complete the process? To answer, drag the appropriate tasks to the correct locations. Each task 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.



**Answer:**


**Explanation:**

Box 1: Entity recognition

the Named Entity Recognition module in Machine Learning Studio (classic), to identify the names of things, such as people, companies, or locations in a column of text.

Named entity recognition is an important area of research in machine learning and natural language processing (NLP), because it can be used to answer many real-world questions, such as:

Which companies were mentioned in a news article?

Does a tweet contain the name of a person? Does the tweet also provide his current location?

Were specified products mentioned in complaints or reviews?

Box 2: Sentiment Analysis

The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/named-entity-recognition>

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-to-sentiment-analysis>

**QUESTION 121**

You need to provide content for a business chatbot that will help answer simple user queries.

What are three ways to create question and answer text by using QnA Maker? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. Generate the questions and answers from an existing webpage.
- B. Use automated machine learning to train a model based on a file that contains the questions.
- C. Manually enter the questions and answers.
- D. Connect the bot to the Cortana channel and ask questions by using Cortana.
- E. Import chat-content from a predefined data source.

**Answer:** ACE

**Explanation:**

Automatic extraction

Extract question-answer pairs from semi-structured content, including FAQ pages, support websites, excel files, SharePoint documents, product manuals and policies.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/content-types>

**QUESTION 122**

You have a frequently asked questions (FAQ) PDF file.

You need to create a conversational support system based on the FAQ.

Which service should you use?

- A. QnA Maker
- B. Text Analytics
- C. Computer Vision
- D. Language Understanding (LUIS)

**Answer:** A

**Explanation:**

QnA Maker is a cloud-based API service that lets you create a conversational question-and-answer layer over your existing data. Use it to build a knowledge base by extracting questions and answers from your semi-structured content, including FAQs, manuals, and documents.

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/qna-maker/>

#### **QUESTION 123**

You need to reduce the load on telephone operators by implementing a chatbot to answer simple questions with predefined answers.

Which two AI service should you use to achieve the goal? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Text Analytics
- B. QnA Maker
- C. Azure Bot Service
- D. Translator Text

**Answer:** BC

**Explanation:**

Bots are a popular way to provide support through multiple communication channels. You can use the QnA Maker service and Azure Bot Service to create a bot that answers user questions.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/build-faq-chatbot-qna-maker-azure-bot-service/>

#### **QUESTION 124**

Which two scenarios are examples of a conversational AI workload? Each correct answer presents a complete solution.

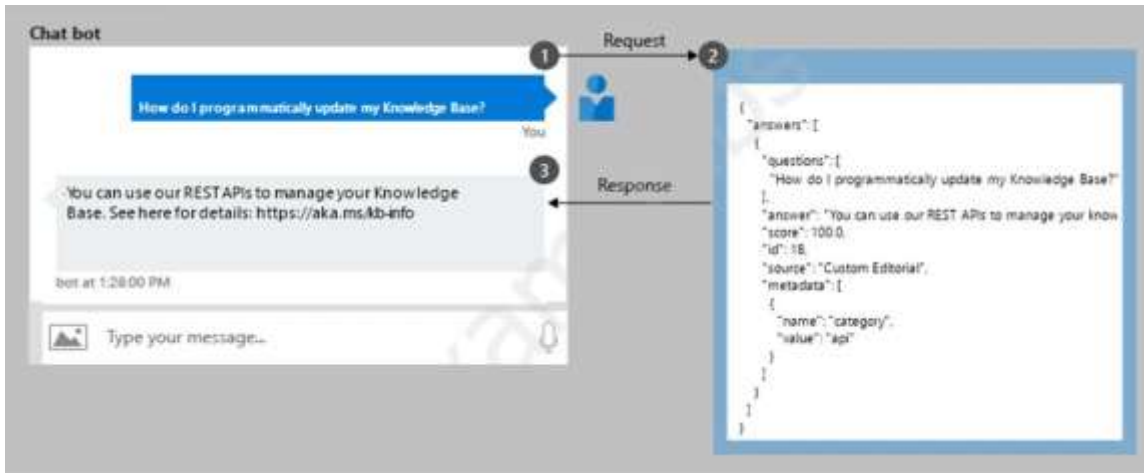
**NOTE:** Each correct selection is worth one point.

- A. a smart device in the home that responds to questions such as "What will the weather be like today?"
- B. a website that uses a knowledge base to interactively respond to users' questions
- C. assembly line machinery that autonomously inserts headlamps into cars
- D. monitoring the temperature of machinery to turn on a fan when the temperature reaches a specific threshold

**Answer:** AB

#### **QUESTION 125**

You have the process shown in the following exhibit.



Which type AI solution is shown in the diagram?

- A. a sentiment analysis solution
- B. a chatbot
- C. a machine learning model
- D. a computer vision application

**Answer: B**

**QUESTION 126**

You need to develop a web-based AI solution for a customer support system. Users must be able to interact with a web app that will guide them to the best resource or answer. Which service should you use?

- A. Custom Vision
- B. QnA Maker
- C. Translator Text
- D. Face

**Answer: B**

**Explanation:**

QnA Maker is a cloud-based API service that lets you create a conversational question-and-answer layer over your existing data. Use it to build a knowledge base by extracting questions and answers from your semi-structured content, including FAQs, manuals, and documents. Answer users' questions with the best answers from the QnAs in your knowledge base—automatically. Your knowledge base gets smarter, too, as it continually learns from user behavior.

Incorrect Answers:

A: Azure Custom Vision is a cognitive service that lets you build, deploy, and improve your own image classifiers. An image classifier is an AI service that applies labels (which represent classes) to images, according to their visual characteristics. Unlike the Computer Vision service, Custom Vision allows you to specify the labels to apply.

D: Azure Cognitive Services Face Detection API: At a minimum, each detected face corresponds to a faceRectangle field in the response. This set of pixel coordinates for the left, top, width, and height mark the located face. Using these coordinates, you can get the location of the face and its size. In the API response, faces are listed in size order from largest to smallest.

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/qna-maker/>

**QUESTION 127**

Which AI service should you use to create a bot from a frequently asked questions (FAQ) document?

- A. QnA Maker
- B. Language Understanding (LUIS)

**[AI-900 Exam Dumps](#) [AI-900 Exam Questions](#) [AI-900 PDF Dumps](#) [AI-900 VCE Dumps](#)**

**<https://www.braindump2go.com/ai-900.html>**

- C. Text Analytics
- D. Speech

**Answer: A**

**QUESTION 128**

Which scenario is an example of a webchat bot?

- A. Determine whether reviews entered on a website for a concert are positive or negative, and then add a thumbs up or thumbs down emoji to the reviews.
- B. Translate into English questions entered by customers at a kiosk so that the appropriate person can call the customers back.
- C. Accept questions through email, and then route the email messages to the correct person based on the content of the message.
- D. From a website interface, answer common questions about scheduled events and ticket purchases for a music festival.

**Answer: D**

**QUESTION 129**

Which two scenarios are examples of a conversational AI workload? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. a telephone answering service that has a pre-recorder message
- B. a chatbot that provides users with the ability to find answers on a website by themselves
- C. telephone voice menus to reduce the load on human resources
- D. a service that creates frequently asked questions (FAQ) documents by crawling public websites

**Answer: BC**

**Explanation:**

B: A bot is an automated software program designed to perform a particular task. Think of it as a robot without a body.

C: Automated customer interaction is essential to a business of any size. In fact, 61% of consumers prefer to communicate via speech, and most of them prefer self-service. Because customer satisfaction is a priority for all businesses, self-service is a critical facet of any customer-facing communications strategy.

Incorrect Answers:

D: Early bots were comparatively simple, handling repetitive and voluminous tasks with relatively straightforward algorithmic logic. An example would be web crawlers used by search engines to automatically explore and catalog web content.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/big-data/ai-overview>

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/interactive-voice-response-bot>

**QUESTION 130**

Drag and Drop Question

Match the principles of responsible AI to appropriate requirements.

To answer, drag the appropriate principles from the column on the left to its requirement on the right. Each principle 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.



Principles	Answer Area
Fairness	The system must not discriminate based on gender, race
Privacy and security	Personal data must be visible only to approve
Reliability and safety	Automated decision-making processes must be recorded so that approved users can identify why a decision was made
Transparency	

**Answer:**

Principles	Answer Area
	Fairness The system must not discriminate based on gender, race
	Privacy and security Personal data must be visible only to approve
Reliability and safety	Automated decision-making processes must be recorded so that approved users can identify why a decision was made
	Transparency

**Explanation:**

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai>  
<https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles>

**QUESTION 131**

Drag and Drop Question

You plan to deploy an Azure Machine Learning model as a service that will be used by client applications. Which three processes should you perform in sequence before you deploy the model? To answer, move the appropriate processes from the list of processes to the answer area and arrange them in the correct order.

Processes	Answer Area
data encryption	
model retraining	
model training	
data preparation	
model evaluation	

**Answer:**

**Processes**

data encryption

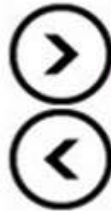
model retraining

**Answer Area**

data preparation

model training

model evaluation

**Explanation:**<https://docs.microsoft.com/en-us/azure/machine-learning/concept-ml-pipelines>**QUESTION 132**

You are building an AI-based app.

You need to ensure that the app uses the principles for responsible AI.

Which two principles should you follow? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Implement an Agile software development methodology
- B. Implement a process of AI model validation as part of the software review process
- C. Establish a risk governance committee that includes members of the legal team, members of the risk management team, and a privacy officer
- D. Prevent the disclosure of the use of AI-based algorithms for automated decision making

**Answer:** BC

**Explanation:**<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai><https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/3-implications-responsible-ai-practical>**QUESTION 133**

Hotspot Question

To complete the sentence, select the appropriate option in the answer area.



**Answer Area**

According to Microsoft's 

	▼
accountability	
fairness	
inclusiveness	
transparency	

 principle of responsible AI,

AI systems should **NOT** reflect biases from the data sets that are used to train the systems.

Answer:

**Answer Area**

According to Microsoft's 

	▼
accountability	
fairness	
inclusiveness	
transparency	

 principle of responsible AI,

AI systems should **NOT** reflect biases from the data sets that are used to train the systems.

**Explanation:**

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai>

**QUESTION 134**

Hotspot Question

To complete the sentence, select the appropriate option in the answer area.

**Answer Area**

	▼
Accuracy	
Confidence	
Root Mean Square Error	
Sentiment	

 is the calculated probability of a correct image classification.

Answer:

**Answer Area**

	▼
Accuracy	
Confidence	
Root Mean Square Error	
Sentiment	

 is the calculated probability of a correct image classification.**Explanation:**

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier>

**QUESTION 135**

Hotspot Question

To complete the sentence, select the appropriate option in the answer area.

[AI-900 Exam Dumps](#) [AI-900 Exam Questions](#) [AI-900 PDF Dumps](#) [AI-900 VCE Dumps](#)

<https://www.braindump2go.com/ai-900.html>

**Answer Area**

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is

	▼
an inclusiveness	
a privacy and security	
a reliability and safety	
a transparency	

principle for responsible AI.

Answer:

**Answer Area**

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is

	▼
an inclusiveness	
a privacy and security	
a reliability and safety	
a transparency	

principle for responsible AI.

**Explanation:**

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai>

**QUESTION 136**

Hotspot Question

To complete the sentence, select the appropriate option in the answer area.

**Answer Area**

Ensuring that the numeric variables in training data are on a similar scale is an example of

	▼
data ingestion.	
feature engineering.	
feature selection.	
model training.	

Answer:

**Answer Area**

Ensuring that the numeric variables in training data are on a similar scale is an example of

	▼
data ingestion.	
feature engineering.	
feature selection.	
model training.	

**Explanation:**

<https://docs.microsoft.com/en-us/azure/architecture/data-science-process/create-features>

**QUESTION 137**

Hotspot Question

To complete the sentence, select the appropriate option in the answer area.

**Answer Area**

Assigning classes to images before training a classification model is an example of

	▼
evaluation.	
feature engineering	
hyperparameter tuning.	
labeling.	

**Answer:**

**Answer Area**

Assigning classes to images before training a classification model is an example of

	▼
evaluation.	
feature engineering	
hyperparameter tuning.	
labeling.	

**Explanation:**

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-label-data>

**QUESTION 138**

You are authoring a Language Understanding (LUIS) application to support a music festival. You want users to be able to ask questions about scheduled shows, such as: "Which act is playing on the main stage?" The question "Which act is playing on the main stage?" is an example of which type of element?

- A. an intent
- B. an utterance
- C. a domain
- D. an entity

**Answer: B**

**Explanation:**

Utterances are input from the user that your app needs to interpret.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/luis-concept-utterance>

**QUESTION 139**

You build a QnA Maker bot by using a frequently asked questions (FAQ) page. You need to add professional greetings and other responses to make the bot more user friendly. What should you do?

- A. Increase the confidence threshold of responses
- B. Enable active learning
- C. Create multi-turn questions
- D. Add chit-chat

**Answer: D**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/chit-chat-knowledge-base?tabs=v1>

**QUESTION 140**

You need to develop a chatbot for a website. The chatbot must answer users' questions based on the information in the following documents:

- A product troubleshooting guide in a Microsoft Word document
- A frequently asked questions (FAQ) list on a webpage

**[AI-900 Exam Dumps](#) [AI-900 Exam Questions](#) [AI-900 PDF Dumps](#) [AI-900 VCE Dumps](#)**

**<https://www.braindump2go.com/ai-900.html>**

Which service should you use to process the documents?

- A. Azure Bot Service
- B. Language Understanding
- C. Text Analytics
- D. QnA Maker

**Answer: D**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/cognitive-services/QnAMaker/Overview/overview>

**QUESTION 141**

You are building a Language Understanding model for an e-commerce business.

You need to ensure that the model detects when utterances are outside the intended scope of the model.

What should you do?

- A. Test the model by using new utterances
- B. Add utterances to the None intent
- C. Create a prebuilt task entity
- D. Create a new model

**Answer: B**

**Explanation:**

The None intent is filled with utterances that are outside of your domain.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/luis-concept-intent>