



# AI-900<sup>Q&As</sup>

Microsoft Azure AI Fundamentals

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**QUESTION 1**

## CORRECT TEXT


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

Computer vision capabilities can be Deployed to\_\_\_\_\_

- A. Integrate a facial recognition feature into an app.
- B. placeholder
- C. placeholder
- D. placeholder

Correct Answer: A

Integrate a facial recognition feature into an app.

Computer vision capabilities can be deployed to  

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**QUESTION 2**

You need to identify street names based on street signs in photographs. Which type of computer vision should you use?

- A. object detection
- B. optical character recognition (OCR)
- C. image classification
- D. facial recognition

Correct Answer: C

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**QUESTION 3**

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.

Correct Answer: D

#### 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.

Hot Area:

Statements	Yes	No
Providing an explanation of the outcome of a credit loan application is an example of the Microsoft transparency principle for responsible AI.	<input type="radio"/>	<input type="radio"/>
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	<input type="radio"/>	<input type="radio"/>
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
Providing an explanation of the outcome of a credit loan application is an example of the Microsoft transparency principle for responsible AI.	<input checked="" type="radio"/>	<input type="radio"/>
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	<input type="radio"/>	<input checked="" type="radio"/>
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	<input type="radio"/>	<input checked="" type="radio"/>

#### QUESTION 5

##### DRAG DROP

Match the types of computer vision to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.



Select and Place:

### Workloads Types

- Facial recognition
- Image classification
- Object detection
- Optical character recognition (OCR)

### Answer Area

- Workload Type Identify celebrities in images.
- Workload Type Extract movie title names from movie poster images.
- Workload Type Locate vehicles in images.

Correct Answer:

### Workloads Types

- Image classification

### Answer Area

- Facial recognition Identify celebrities in images.
- Optical character recognition (OCR) Extract movie title names from movie poster images.
- Object detection Locate vehicles in images.

Box 1: Facial recognition Face detection that perceives faces and attributes in an image; person identification that matches an individual in your private repository of up to 1 million people; perceived emotion recognition that detects a range of facial expressions like happiness, contempt, neutrality, and fear; and recognition and grouping of similar faces in images.

Box 2: OCR

Box 3: Object detection Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same tag in an image.

The Detect API applies tags based on the objects or living things identified in the image. There is currently no formal relationship between the tagging taxonomy and the object detection taxonomy. At a conceptual level, the Detect API only finds objects and living things, while the Tag API can also include contextual terms like "indoor", which can't be localized with bounding boxes.

Reference: <https://azure.microsoft.com/en-us/services/cognitive-services/face/>

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection>