AZ-220 Q&As

Microsoft Azure IoT Developer

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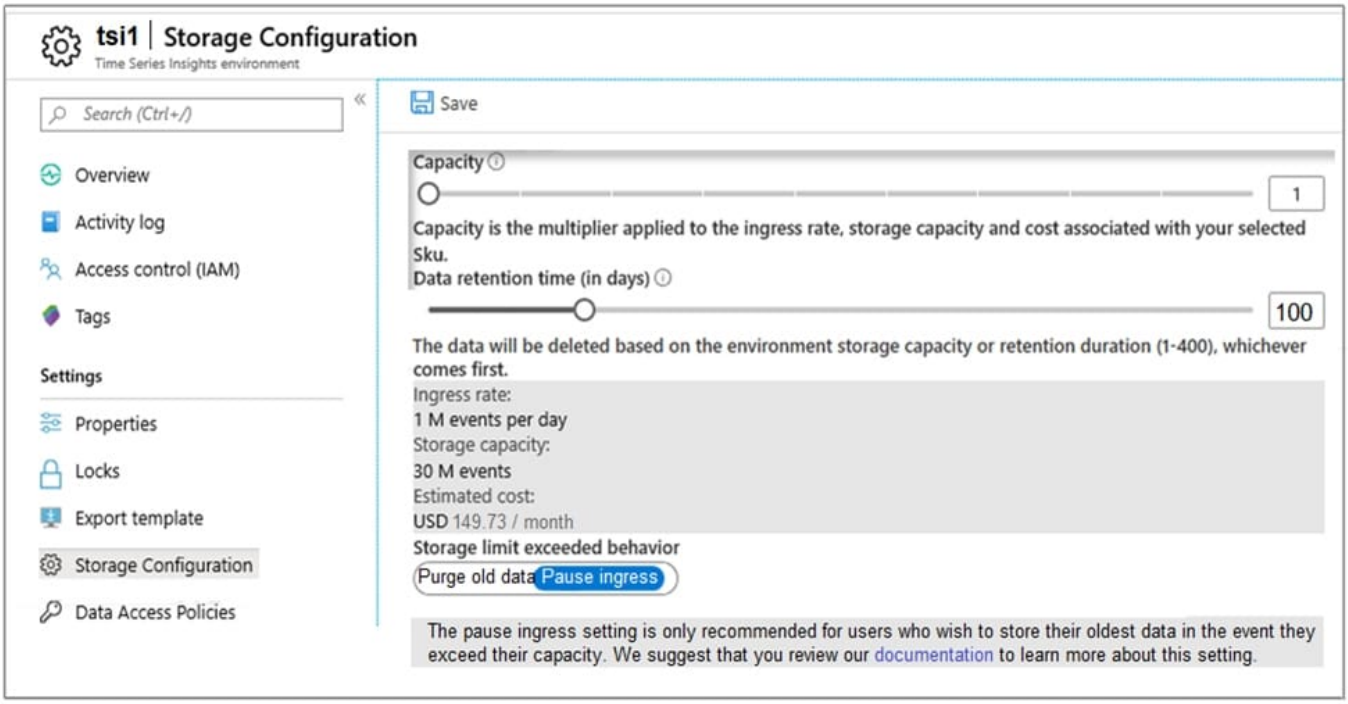
QUESTION 1

HOTSPOT

You have an Azure IoT hub named Hub1 and an Azure Time Series Insights environment named tsi1. Tsi1 connects to Hub1. The solution has been operational for 6 months.

Tsi1 is configured as shown in the following exhibit.



Hub1 receives 1 million messages per day. Each message is up to 1 KB and is formatted as JSON.

Hub1 has seven days of retained telemetry.

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:

Statement	Yes	No
Tsi1 will display 100 days of telemetry.	○	○
Tsi1 will display telemetry that arrived three months ago.	○	○
Tsi1 will display real-time data after the Time Series Insights environment has been connected to the event source of Hub1 for two days.	○	○

Correct Answer:

Statement	Yes	No
Tsi1 will display 100 days of telemetry.	○	○
Tsi1 will display telemetry that arrived three months ago.	○	○
Tsi1 will display real-time data after the Time Series Insights environment has been connected to the event source of Hub1 for two days.	○	○

Reference: https://docs.microsoft.com/en-us/azure/time-series-insights/time-series-insights-overview

QUESTION 2

HOTSPOT

You have an Azure Stream Analytics job named Asjob1 that uses the following query.

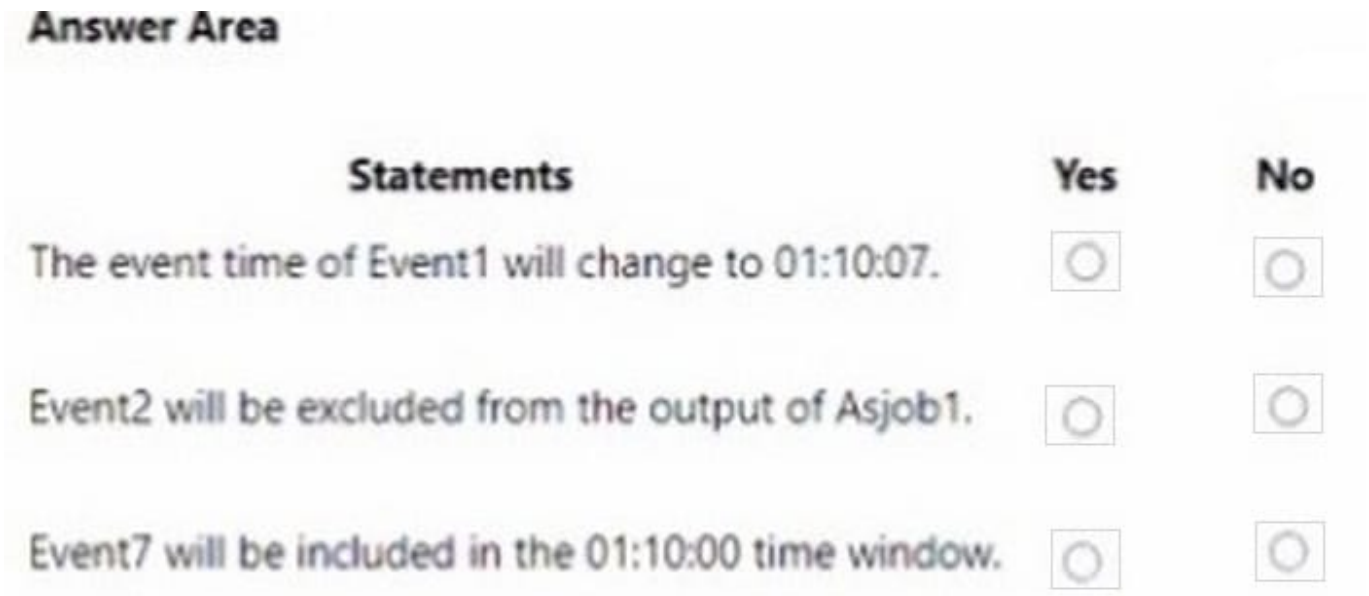
Asjob1 receives the events shown in the following table.

Name	Event time hh:mm:ss	Arrival time hh:mm:ss
Event1	01:10:01	01:10:07
Event2	01:10:02	01:10:30
Event3	01:10:03	01:10:04
Event4	01:10:04	01:10:05
Event5	01:10:05	01:10:15
Event6	01:10:06	01:10:07
Event7	01:10:07	01:10:11

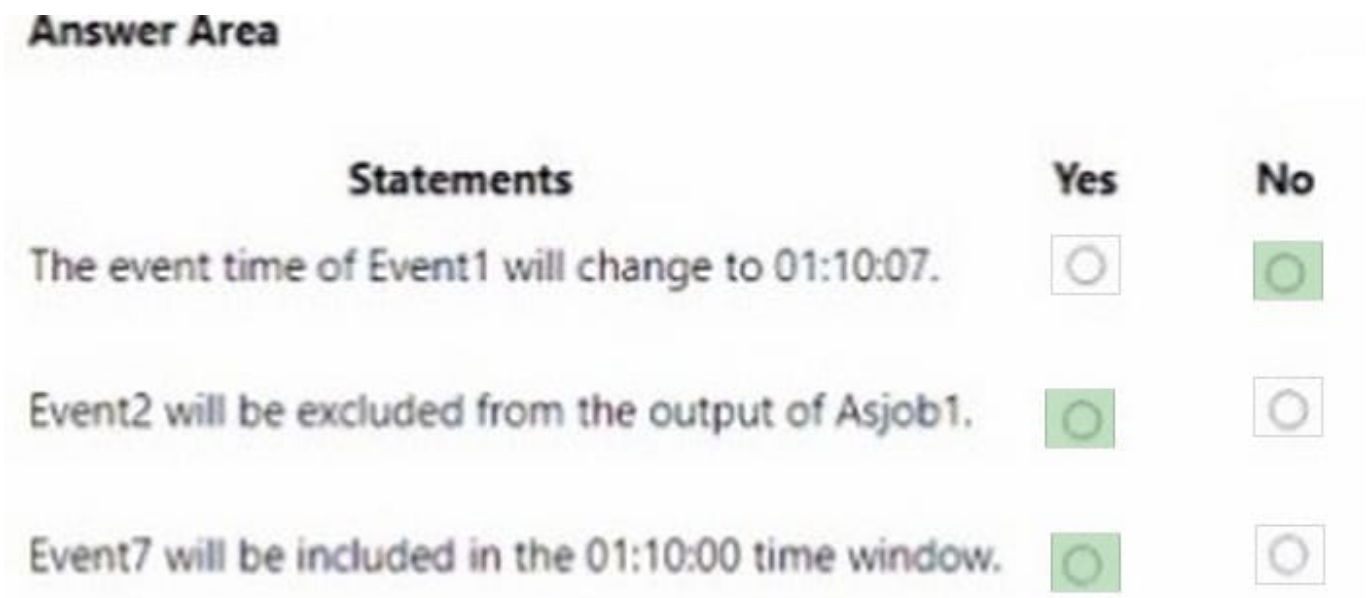
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct

selection is worth one point.

Hot Area:



Correct Answer:



QUESTION 3

HOTSPOT

You have an Azure 10T hub and an I0T device.

You are developing an IoT solution that will generate an alert when the IoT device leaves a geofenced area. The device sends telemetry in the following format.

```
{
    "location": {
        "type":"Point",
        "coordinates": [76.6, 10.1]
    }
}
```

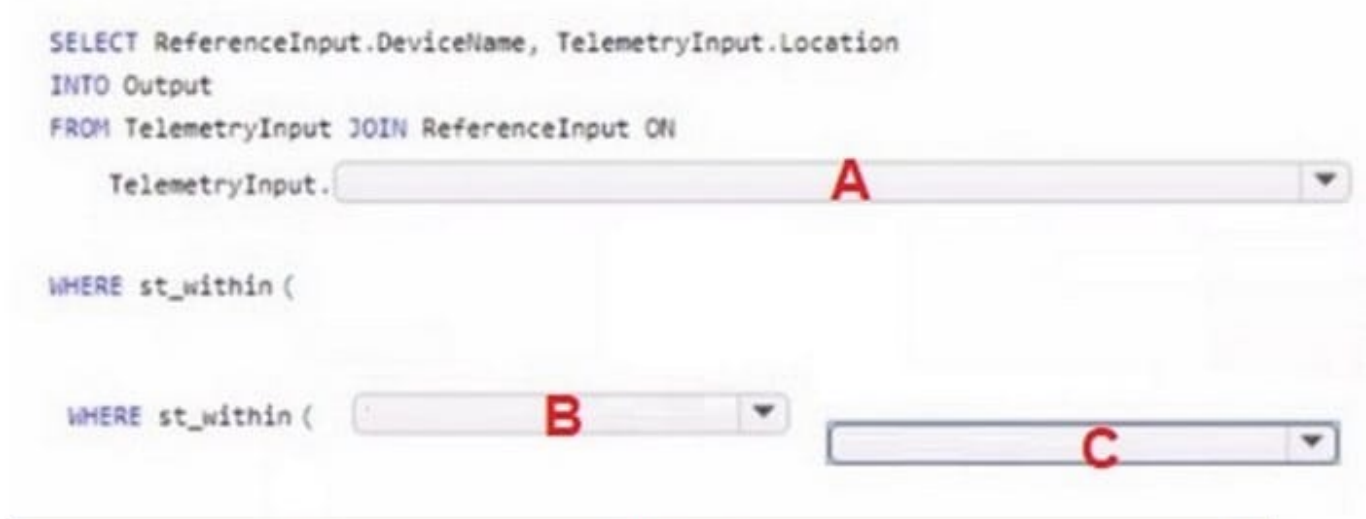
You create an Azure Stream Analytics job that uses telemetry input from the IoT hub and a reference input that contains the data shown in the following table.

DeviceID	DeviceName	Geofence
“Device1”	“Device1”	“POLYGON((-122.13301696018573 47.63764925180358, -122.13272728161212 47.63764925180358, -122.1327487392842447.63784082716388,-122.13373579220172 47.63782998329432))”

How should you complete the Stream Analytics query? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area



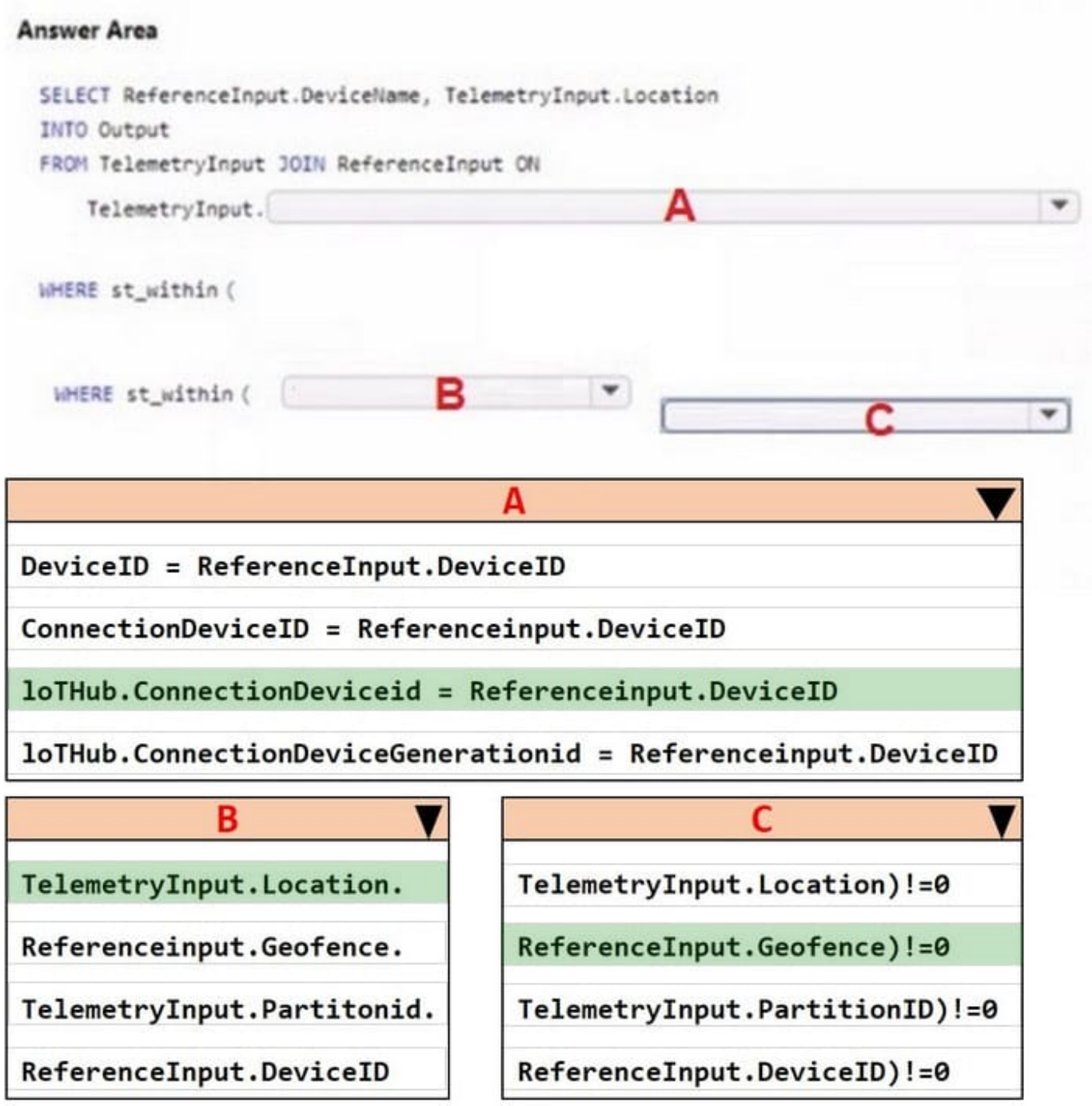
A
DeviceID = ReferenceInput.DeviceID
ConnectionDeviceID = Referenceinput.DeviceID
IoTHub.ConnectionDeviceid = Referenceinput.DeviceID
IoTHub.ConnectionDeviceGenerationid = Referenceinput.DeviceID

B
TelemetryInput.Location.
Referenceinput.Geofence.
TelemetryInput.Partitonid.
ReferenceInput.DeviceID

C
TelemetryInput.Location)!=0
ReferenceInput.Geofence)!=0
TelemetryInput.PartitionID)!=0
ReferenceInput.DeviceID)!=0

Correct Answer:

Answer Area



QUESTION 4

You have an Azure subscription that contains a resource group named RG1.

You need to deploy the Device Provisioning Service. The solution must ensure that the Device Provisioning Service can accept new device enrollments.

You create a Device Provisioning Service instance.

Which two actions should you perform next? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. From the Linked IoT hubs blade of the Device Provisioning Service, link an Azure IoT hub.

B. From the Azure portal, create a new Azure IoT hub.

C. From the Manage allocation policy blade of the Device Provisioning Service, configure an allocation policy.

D. From the Certificates blade of the Device Provisioning Service, upload an X.509 certificate to the Device Provisioning Service.

Correct Answer: D

A: The Device Provisioning Service can only provision devices to IoT hubs that have been linked to it.

C: Allocation policy. The service-level setting that determines how Device Provisioning Service assigns devices to an IoT hub. There are three supported allocation policies:

Lowest latency: devices are provisioned to an IoT hub with the lowest latency to the device.

Evenly weighted distribution

Static configuration via the enrollment list

Reference:

https://docs.microsoft.com/bs-latn-ba/azure/iot-dps/concepts-service

QUESTION 5

DRAG DROP

You have an Azure IoT solution that includes an Azure IoT hub.

You receive a root certification authority (CA) certificate from the security department at your company.

You need to configure the IoT hub to use the root CA certificate.

Which four 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.

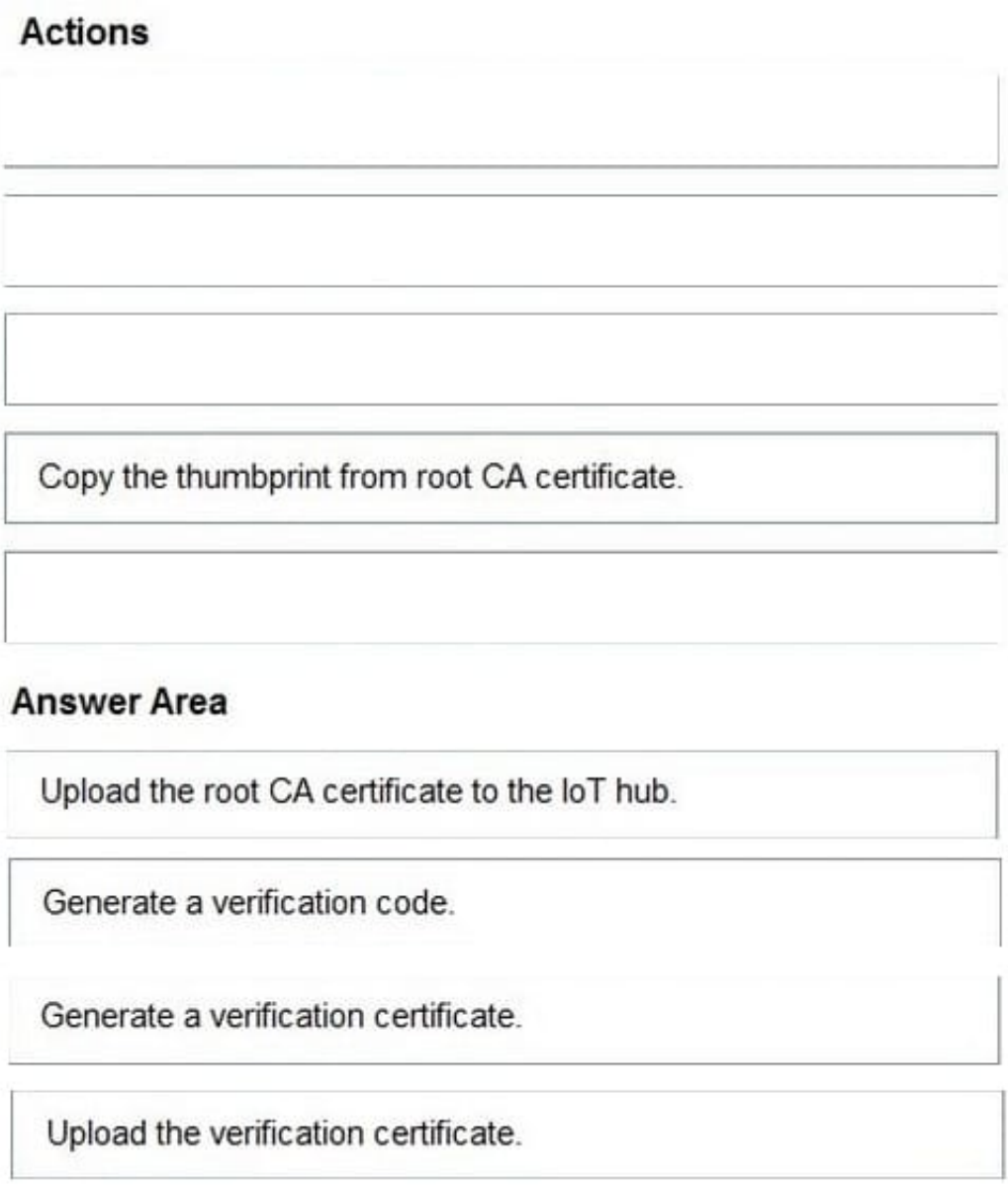
Select and Place:

Actions

- Generate a verification code.
- Upload the verification certificate.
- Upload the root CA certificate to the IoT hub.
- Copy the thumbprint from root CA certificate.
- Generate a verification certificate.

Answer Area

Correct Answer:



Reference: https://docs.microsoft.com/bs-latn-ba/azure/iot-hub/iot-hub-security-x509-get-started