

Free Questions for DP-100

Shared by Walker on 04-10-2024

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Question 1

Question Type: MultipleChoice

You manage an Azure Machine Learning workspace. The development environment for managing the workspace is configured to use Python SDK v2 in Azure Machine Learning Notebooks.

A Synapse Spark Compute is currently attached and uses system-assigned identity.

You need to use Python code to update the Synapse Spark Compute to use a user-assigned identity.

Solution: Initialize the DefaultAzureCredential class.

Does the solution meet the goal?

Options:

A- Yes

B- No

Answer:

B

Question 2

Question Type: MultipleChoice

You manage an Azure Machine Learning workspace. The development environment for managing the workspace is configured to use Python SDK v2 in Azure Machine Learning Notebooks.

A Synapse Spark Compute is currently attached and uses system-assigned identity.

You need to use Python code to update the Synapse Spark Compute to use a user-assigned identity.

Solution: Pass the UserAssignedIdentity class object to the SynapseSparkCompute class.

Does the solution meet the goal?

Options:

A- Yes

B- No

Answer:

B

Question 3

Question Type: Hotspot

You manage an Azure Machine Learning workspace named Workspace1 and an Azure Blob Storage accessed by using the URL `https://storage1.blob.core.wmdows.net/data1`.

You plan to create an Azure Blob datastore in Workspace1. The datastore must target the Blob Storage by using Azure Machine Learning Python SDK v2. Access authorization to the datastore must be limited to a specific amount of time.

You need to select the parameters of the Azure Blob Datastore class that will point to the target datastore and authorize access to it.

Which parameters should you use? To answer, select the appropriate options in the answer area

NOTE: Each correct selection is worth one point.

Datastore parameters

Parameter purpose	Value
Point to the target datastore.	<input type="checkbox"/> container_name="data1" <input checked="" type="checkbox"/> container_name="data1" <input type="checkbox"/> filesystem="data1" <input type="checkbox"/> file_share_name="data1"
Authorize access.	<input type="checkbox"/> credentials=SaSTokenConfiguration <input type="checkbox"/> credentials=AccountKeyConfiguration <input checked="" type="checkbox"/> credentials=SaSTokenConfiguration <input type="checkbox"/> credentials=ServicePrincipalCredentials

Answer:

Question 4

Question Type: MultipleChoice

You manage an Azure Machine Learning workspace named proj1

You plan to use assets defined in proj1 to create a pipeline in the Machine Learning studio designer

You need to set the Registry name filter to display only the list of assets defined in proj1.

What should you set the Registry name filter to?

Options:

- A- proj1
- B- workspace
- C- azureml-meta
- D- azureml

Answer:

A

Question 5

Question Type: DragDrop

You have an Azure Machine Learning workspace.

You plan to use the terminal to configure a compute instance to run a notebook.

You need to add a new R kernel to the compute instance.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions

```
conda create -n r_env r-essentials r-base
```

Answer:

```
conda activate r_env
```

```
R
```

```
!conda create --name irenv --displayname 'New R Env' r-essentials r-base
```

```
q()
```

Add a new R kernel to the compute instance

Question 6

Question Type: Hotspot

You manage an Azure Machine Learning workspace. The development environment is configured with a Serverless Spark compute in Azure Machine Learning Notebooks.

You perform interactive data wrangling to clean up the Titanic dataset and store it as a new dataset (Line numbers are used for reference only.)

```
01 import pyspark.pandas as pd
02 from pyspark.ml.feature import Imputer
03
04 df = pd.read_csv("abfss://<FILE_SYSTEM_NAME>@<STORAGE_ACCOUNT_NAME>.dfs.core.windows.net/data/titanic.csv",
```

Interactive data wrangling with Apache Spark

	Statement	Yes	No
Answer:	All missing values in the Age column are filled with the mean value.	<input type="radio"/>	<input type="radio"/>
	Cabin column is filled with None if data is missing.	<input type="radio"/>	<input type="radio"/>
	Data is imported from Azure Data Lake Storage Gen2.	<input type="radio"/>	<input type="radio"/>
	User identity passthrough is enabled to access data.	<input type="radio"/>	<input type="radio"/>

Question 7

Question Type: MultipleChoice

You manage an Azure Machine Learning workspace named Workspace1.

You plan to create a pipeline in the Azure Machine Learning Studio designer. The pipeline must include a custom component You need to ensure the custom component can be used in the pipeline. What should you do first.

Options:

A- Add a linked service to Workspace1.

B- Create a pipeline endpoint.

- C- Upload a json file to Workspace1.
- D- Upload a yaml file to Workspace1.
- E- Create a datastore.

Answer:

A

Question 8

Question Type: Hotspot

You create an Azure Machine Learning dataset containing automobile price data. The dataset includes 10,000 rows and 10 columns. You use Azure Machine Learning Designer to transform the dataset by using an Execute Python Script component and custom code.

The code must combine three columns to create a new column.

You need to configure the code function.

Which configurations should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Function setting **Value**
Answer:

Entry point function name

azureml_main
main
execute_python_script

Question 9

Question Type: Multiple Choice

Function return type

dataframe
scalar
vector

You use Azure Machine Learning Designer to load the following datasets into an experiment:

Dataset1:

Age	Length	Width
3	22	13
7	11	96
18	32	85

Dataset2:

Age	Length	Width
11	101	65
6	98	23
33	22	54
17	52	12

You need to create a dataset that has the same columns and header row as the input datasets and contains all rows from both input datasets.

Solution: Use the Add Rows component.

Does the solution meet the goal?

Options:

A- Yes

B- No

Answer:

B

Question 10

Question Type: MultipleChoice

You use Azure Machine Learning Designer to load the following datasets into an experiment:

Dataset1

Age	Length	Width
3	22	13
7	11	96
18	32	85

Dataset2

Age	Length	Width
11	101	65
6	98	23
33	22	54
17	52	12

You use Azure Machine Learning Designer to load the following datasets into an experiment:

You need to create a dataset that has the same columns and header row as the input datasets and contains all rows from both input datasets.

Solution: Use the Join Data component.

Does the solution meet the goal?

Options:

A- Yes

B- No

Answer:

B

Question 11

Question Type: MultipleChoice

You use Azure Machine Learning Designer to load the following datasets into an experiment:

Data set 1

Age	Length	Width
3	22	13
7	11	96
18	32	85

Dataset 2

Age	Length	Width
11	101	65
6	98	23
33	22	54
17	52	12

You need to create a dataset that has the same columns and header row as the input datasets and contains all rows from both input datasets.

Solution: Use the Apply Transformation component.

Does the solution meet the goal?

Options:

A- Yes

B- No

Answer:

B

Question 12

Question Type: MultipleChoice

You create an Azure Machine Learning workspace named woricspace1. The workspace contains a Python SDK v2 notebook that uses MLflow to collect model training metrics and artifacts from your local computer.

You must reuse the notebook to run on Azure Machine Learning compute instance in workspace1.

You need to continue to log metrics and artifacts from your data science code.

What should you do?

Options:

- A-** Configure the tracking URI.
- B-** Instantiate the job class.
- C-** Log into workspace'!
- D-** Instantiate the MLClient class.

Answer:

A

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