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This allows candidates to choose the format that best suits their learning style and preference, ensuring a seamless and effective exam preparation experience. By offering tailored solutions to meet individual needs, DumpsActual has established itself as a trusted provider of top-quality Data Engineering on Microsoft Azure (DP-203) exam preparation material.

The Microsoft DP-203 Exam measures a candidate's ability to develop solutions using Azure services like Azure Data Lake Storage, Azure Synapse Analytics, Azure Databricks, and Azure Stream Analytics. A candidate's knowledge on how to design and implement data processing solutions on Azure is also evaluated in the exam. Data Engineering on Microsoft Azure certification is ideal for data engineers who wish to demonstrate their ability to design and implement data solutions using Microsoft Azure services.

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Microsoft Data Engineering on Microsoft Azure Sample Questions (Q212-Q217):

NEW QUESTION # 212

You are designing an Azure Synapse Analytics dedicated SQL pool.

Groups will have access to sensitive data in the pool as shown in the following table.

Name	Enhanced access
Executives	No access to sensitive data
Analysts	Access to in-region sensitive data
Engineers	Access to all numeric sensitive data

You have policies for the sensitive data.

a. The policies vary by region as shown in the following table.

Region	Data considered sensitive
RegionA	Financial, Personally Identifiable Information (PII)
RegionB	Financial, Personally Identifiable Information (PII), medical
RegionC	Financial, medical

You have a table of patients for each region. The tables contain the following potentially sensitive columns.

Name	Sensitive data	Description
CardOnFile	Financial	Debit/credit card number for charges
Height	Medical	Patient's height in cm
ContactEmail	PII	Email address for secure communications

You are designing dynamic data masking to maintain compliance.

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
Analysts in RegionA require dynamic data masking rules for [Patients_RegionA].	☐	☐
Engineers in RegionC require a dynamic data masking rule for [Patients_RegionA], [Height]	☐	☐
Engineers in RegionB require a dynamic data masking rule for [Patients_RegionB], [Height]	☐	☐

Answer:

Explanation:

Statements	Yes	No
Analysts in RegionA require dynamic data masking rules for [Patients_RegionA].	☒	☐
Engineers in RegionC require a dynamic data masking rule for [Patients_RegionA], [Height]	☐	☒
Engineers in RegionB require a dynamic data masking rule for [Patients_RegionB], [Height]	☒	☐

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/dynamic-data-masking-overview>

NEW QUESTION # 213

You are designing a star schema for a dataset that contains records of online orders. Each record includes an order date, an order due date, and an order ship date.

You need to ensure that the design provides the fastest query times of the records when querying for arbitrary date ranges and aggregating by fiscal calendar attributes.

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

NOTE: Each correct selection is worth one point.

- A. Use built-in SQL functions to extract date attributes.
- B. Create a date dimension table that has an integer key in the format of yyyyymmdd.
- C. Use DateTime columns for the date fields.
- D. In the fact table, use integer columns for the date fields.
- E. Create a date dimension table that has a DateTime key.

Answer: A,D

NEW QUESTION # 214

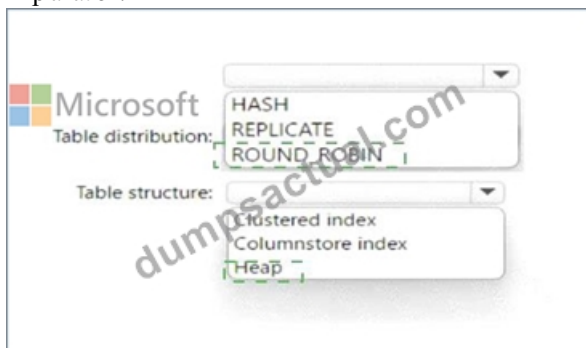
You are incrementally loading data into fact tables in an Azure Synapse Analytics dedicated SQL pool.

Each batch of incoming data is staged before being loaded into the fact tables. | You need to ensure that the incoming data is staged as quickly as possible. | How should you configure the staging tables? To answer, select the appropriate options in the answer area.

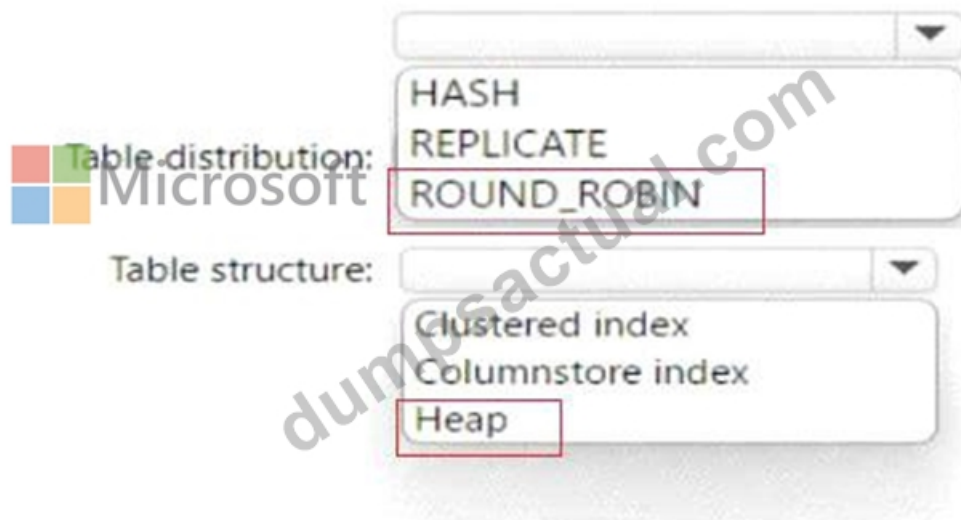


Answer:

Explanation:



Explanation:



Round-robin distribution is recommended for staging tables because it distributes data evenly across all the distributions without requiring a hash column. This can improve the speed of data loading and avoid data skew. Heap tables are recommended for staging tables because they do not have any indexes or partitions that can slow down the data loading process. Heap tables are also easier to truncate and reload than clustered index or columnstore index tables.

NEW QUESTION # 215

You have an Azure Synapse Analytics dedicated SQL pool named Pool1 and an Azure Data Lake Storage Gen2 account named Account1.

You plan to access the files in Account1 by using an external table.

You need to create a data source in Pool1 that you can reference when you create the external table.
How should you complete the Transact-SQL statement? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

```
CREATE EXTERNAL DATA SOURCE source1
WITH
( LOCATION = 'https://account1. .core.windows.net',
  )
```

Answer:

Explanation:

```
CREATE EXTERNAL DATA SOURCE source1
WITH
( LOCATION = 'https://account1. .core.windows.net',
  )
```

Explanation

Graphical user interface, diagram Description automatically generated

```
CREATE EXTERNAL DATA SOURCE source1
WITH
( LOCATION = 'https://account1. .core.windows.net',
  )
```

Box 1: blob

The following example creates an external data source for Azure Data Lake Gen2 CREATE EXTERNAL DATA SOURCE YellowTaxi WITH (LOCATION = 'https://azureopendatastorage.blob.core.windows.net/nyctlc/yellow', TYPE = HADOOP) Box 2: HADOOP Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql/develop-tables-external-tables>

NEW QUESTION # 216

You need to create an Azure Data Factory pipeline to process data for the following three departments at your company: Ecommerce, retail, and wholesale. The solution must ensure that data can also be processed for the entire company. How should you complete the Data Factory data flow script? To answer, drag the appropriate values to the correct targets. Each value 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.

Values	Answer Area
all, ecommerce, retail, wholesale	<pre>CleanData split([Box 1] [Box 2] disjoint: [Box 3]) ~> SplitByDept@([Box 4])</pre>
dept=='ecommerce', dept=='retail', dept=='wholesale'	
dept=='ecommerce', dept=='wholesale', dept=='retail'	
disjoint: false	
disjoint: true	
ecommerce, retail, wholesale, all	

Answer:

Explanation:

Values	Answer Area
all, ecommerce, retail, wholesale	<pre>CleanData split(dept=='ecommerce', dept=='retail', dept=='wholesale' disjoint: false) ~> SplitByDept@([Box 4])</pre>
dept=='ecommerce', dept=='retail', dept=='wholesale'	
dept=='ecommerce', dept=='wholesale', dept=='retail'	
disjoint: false	
disjoint: true	
ecommerce, retail, wholesale, all	

Explanation:

```
CleanData
split(
  dept=='ecommerce', dept=='retail',
  dept=='wholesale'
  disjoint: false
) ~> SplitByDept@([Box 4])
```

The conditional split transformation routes data rows to different streams based on matching conditions. The conditional split transformation is similar to a CASE decision structure in a programming language. The transformation evaluates expressions, and based on the results, directs the data row to the specified stream.

Box 1: dept=='ecommerce', dept=='retail', dept=='wholesale'

First we put the condition. The order must match the stream labeling we define in Box 3.

Syntax:

```
<incomingStream>
split(
  <conditionalExpression1>
  <conditionalExpression2>
  disjoint: {true | false}
) ~> <splitTx>@([stream1, stream2, ..., <defaultStream>])
```

Box 2: discount : false

disjoint is false because the data goes to the first matching condition. All remaining rows matching the third condition go to output stream all.

Box 3: ecommerce, retail, wholesale, all

Label the streams

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/data-flow-conditional-split>

NEW QUESTION # 217

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