Custom View Settings

Question #66 *Topic 1*

You plan to create a dimension table in Azure Synapse Analytics that will be less than 1 GB.
You need to create the table to meet the following requirements:
- Provide the fastest query time.
- Minimize data movement during queries.

Which type of table should you use?

A. replicated
B. hash distributed
C. heap
D. round-robin

Question #67 *Topic 1*

You are designing a dimension table in an Azure Synapse Analytics dedicated SQL pool.
You need to create a surrogate key for the table. The solution must provide the fastest query performance.
What should you use for the surrogate key?

A. a GUID column
B. a sequence object
C. an IDENTITY column

HOTSPOT

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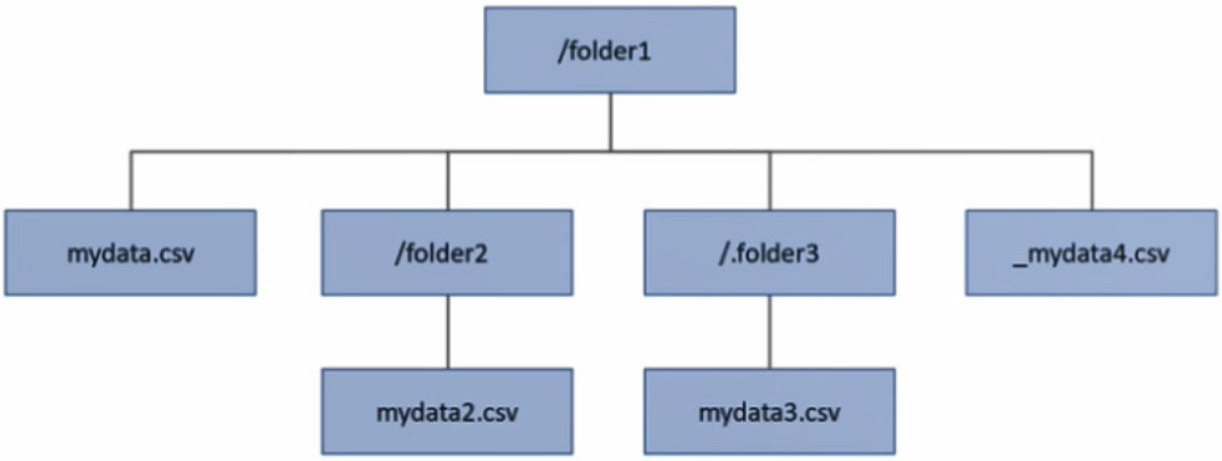
You have an Azure Data Lake Storage Gen2 account that contains a container named container1. You have an Azure Synapse Analytics serverless SQL pool that contains a native external table named dbo.Table1. The source data for dbo.Table1 is stored in container1. The folder structure of container1 is shown in the following exhibit.



The external data source is defined by using the following statement.

```
CREATE EXTERNAL DATA SOURCE DataLake
WITH
(    LOCATION         = 'https://mydatalake.dfs.core.windows.net/container1/folder1/**'
     , CREDENTIAL = DataLakeCred
);
```

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
When selecting all the rows in dbo.Table1, data from the mydata2.csv file will be returned.	○	○
When selecting all the rows in dbo.Table1, data from the mydata3.csv file will be returned.	○	○
When selecting all the rows in dbo.Table1, data from the _mydata4.csv file will be returned.	○	○

Question #69 *Topic 1*

You have an Azure Synapse Analytics dedicated SQL pool.

You need to create a fact table named Table1 that will store sales data from the last three years. The solution must be optimized for the following query operations:

• Show order counts by week.
• Calculate sales totals by region.
• Calculate sales totals by product.
• Find all the orders from a given month.

Which data should you use to partition Table1?

A. product

B. month

C. week

D. region

Question #70 *Topic 1*

You are designing the folder structure for an Azure Data Lake Storage Gen2 account.

You identify the following usage patterns:

• Users will query data by using Azure Synapse Analytics serverless SQL pools and Azure Synapse Analytics serverless Apache Spark pools.
• Most queries will include a filter on the current year or week.
• Data will be secured by data source.

You need to recommend a folder structure that meets the following requirements:

• Supports the usage patterns
• Simplifies folder security
• Minimizes query times

Which folder structure should you recommend?

A. \DataSource\SubjectArea\YYYY\WW\FileData_YYYY_MM_DD.parquet

B. \DataSource\SubjectArea\YYYY-WW\FileData_YYYY_MM_DD.parquet

C. DataSource\SubjectArea\WW\YYYY\FileData_YYYY_MM_DD.parquet

D. \YYYY\WW\DataSource\SubjectArea\FileData_YYYY_MM_DD.parquet

E. WW\YYYY\SubjectArea\DataSource\FileData_YYYY_MM_DD.parquet

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