Custom View Settings

Question #41 *Topic 1*

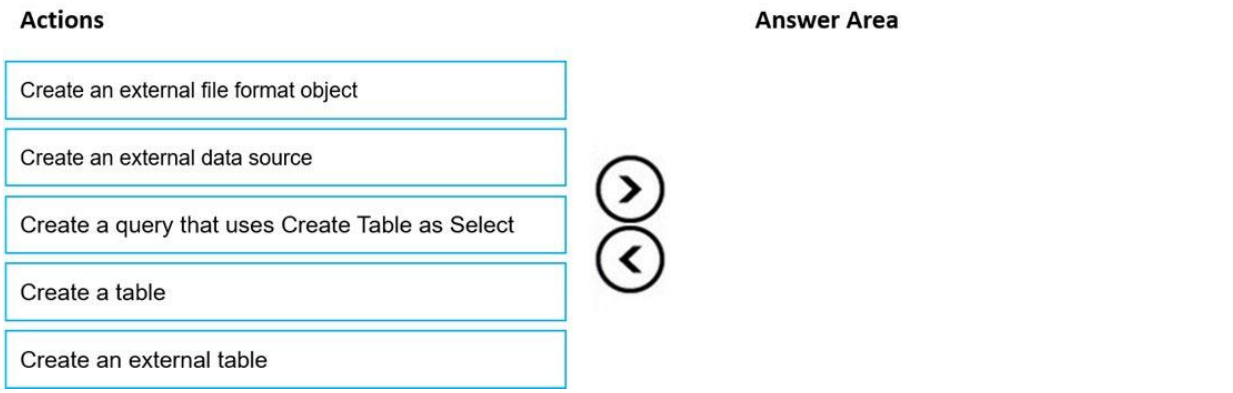
DRAG DROP -

You need to build a solution to ensure that users can query specific files in an Azure Data Lake Storage Gen2 account from an Azure Synapse Analytics serverless SQL pool.

Which three 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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:



Question #42 *Topic 1*

You are designing a data mart for the human resources (HR) department at your company. The data mart will contain employee information and employee transactions.
From a source system, you have a flat extract that has the following fields:
⇨ EmployeeID

FirstName -
▪
⇨ LastName
⇨ Recipient
⇨ GrossAmount
⇨ TransactionID
⇨ GovernmentID
⇨ NetAmountPaid
⇨ TransactionDate
You need to design a star schema data model in an Azure Synapse Analytics dedicated SQL pool for the data mart.
Which two tables should you create? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. a dimension table for Transaction

B. a dimension table for EmployeeTransaction

C. a dimension table for Employee

D. a fact table for Employee

E. a fact table for Transaction

Question #43 *Topic 1*

You are designing a dimension table for a data warehouse. The table will track the value of the dimension attributes over time and preserve the history of the data by adding new rows as the data changes.
Which type of slowly changing dimension (SCD) should you use?

A. Type 0

B. Type 1

C. Type 2

D. Type 3

DRAG DROP -

You have data stored in thousands of CSV files in Azure Data Lake Storage Gen2. Each file has a header row followed by a properly formatted carriage return (/ r) and line feed (/n).

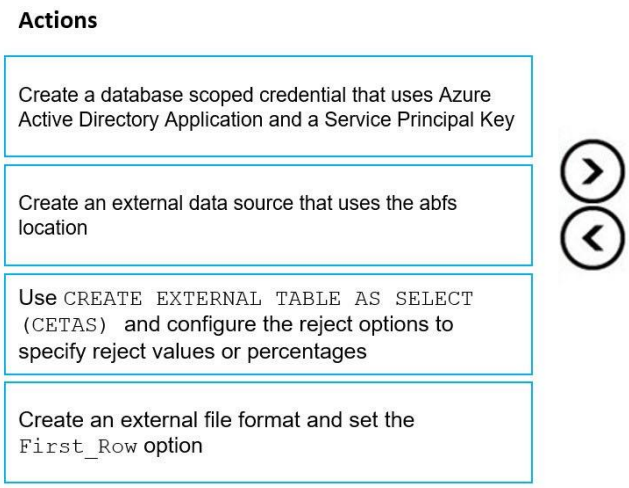
You are implementing a pattern that batch loads the files daily into a dedicated SQL pool in Azure Synapse Analytics by using PolyBase.

You need to skip the header row when you import the files into the data warehouse. Before building the loading pattern, you need to prepare the required database objects in Azure Synapse Analytics.

Which three 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.

NOTE: Each correct selection is worth one point

Select and Place:



HOTSPOT -

You are building an Azure Synapse Analytics dedicated SQL pool that will contain a fact table for transactions from the first half of the year 2020.

You need to ensure that the table meets the following requirements:

- Minimizes the processing time to delete data that is older than 10 years
- Minimizes the I/O for queries that use year-to-date values

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.

Hot Area:

Answer Area

```
CREATE TABLE [dbo].[FactTransaction]
(
      [TransactionTypeID]    int      NOT NULL
,     [TransactionDateID]    int      NOT NULL
,     [CustomerID]           int      NOT NULL
,     [RecipientID]          int      NOT NULL
,     [Amount]               money    NOT NU::
)
WITH
(
```

[▼]
- CLUSTERED COLUMNSTORE INDEX
- DISTRIBUTION
- PARTITION
- TRUNCATE_TARGET

```
    (
```

[▼] RANGE RIGHT FOR VALUES
- [TransactionDateID]
- [TransactionDateID], [TransactionTypeID]
- HASH([TransactionTypeID])
- ROUND_ROBIN

```
        (20200101,20200201,20200301,20200401,20200501,20200601)
```

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