QSDA2022 Q&As

Qlik Sense Data Architect Certification-2022

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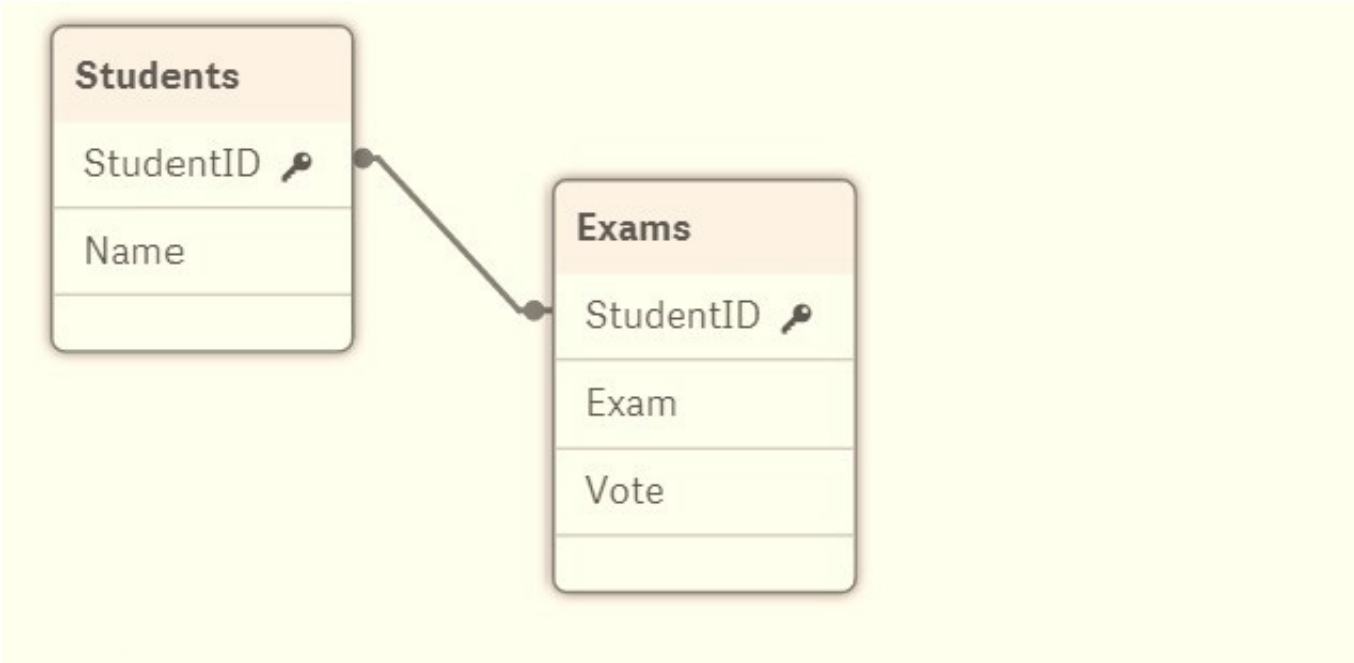
QUESTION 1

Refer to the exhibit.



A data architect builds a simple data model to show the relationship between students and exams. The data is loaded. Every StudentID in the Exams table should be found in the Students table. Some students have NOT taken an exam. The data architect selects the field "StudentID" from the Students table and sees the following:

StudentID	
Density	100%
Subset ratio	66.6%
Has duplicates	true
Total distinct values	6
Present distinct values	4
Non-null values	8
Tags	$key $numeric $integer

A data architect needs to fix this anomaly.

What should the data architect do to ensure data integrity?

A. Update the Students table and add 16.7% of the missing records

B. Remove records from the Exams table where StudentID is null

C. Update the Exams table and add 33.4% of the missing records

D. In the LOAD script, add DISTINCT before the Students and Exams tables

Correct Answer: D

QUESTION 2

A data architect needs to revise an existing app.

The number of data rows has grown rapidly recently. While the app is in production, users are becoming increasingly unhappy about the response times when they make selections Which two methods should be used to improve performance? (Select two.)

A. Use dynamic script generation with variables

B. Denormalize the schema

C. Make sure any Ul variables are preceded by \\'=\\'

D. Use flags in the data model to simplify set analysis

E. Create master items for all complex expressions

Correct Answer: AD

QUESTION 3

A data architect needs to upload data from ten different sources, but only if there are any changes after the last reload When data is updated, a new file is placed into a folder mapped to E A439926003 The data connection points to this folder.

The data architect plans a script which will:

1.

Verify that the file exists

2.

If the file exists, upload it Otherwise, skip to the next piece of code

The script will repeat this subroutine for each source. When the script ends, all uploaded files will be removed with a batch procedure.

Which option should the data architect use to meet these requirements?

A. FileSize, IF, THEN, END IF

B. FilePath, IF, THEN. Drop

C. FileExists, FOR EACH, IF

D. FilePath, FOR EACH, Peek, Drop

Correct Answer: A

QUESTION 4

A data architect needs to efficiently prepare a data model for a meeting in an hour.

The data source to be used contains five date fields The app needs to display sales trends and compare the current year to date (CYTD) to last year to date (LYTD) The app is NOT going to be published It will only be used for this meeting

and a single user\\'s ad-hoc analysis.

What should the data architect do to meet these requirements?

A. Use the data manager

B. Load a calendar island

C. Create a canonical calendar

D. Create five master calendars

Correct Answer: C

QUESTION 5

A data architect needs to create an app to analyze 30-day re-admissions at a hospital.

The medical record system does NOT calculate re-admission data The business rule to follow: if a patient is admitted to a hospital within 30 days after being discharged from a previous hospital stay, that event should be captured in the app with a flag called "30-day Re-admission" Data being used from the patient record includes hospital account ID, patient ID, admission dater and discharge date

Which action should the data architect perform first to meet these requirements?

A. Sequence patient records by hospital account ID and patient ID using the Peek function

B. Sequence patient records by patient ID using the Peek function

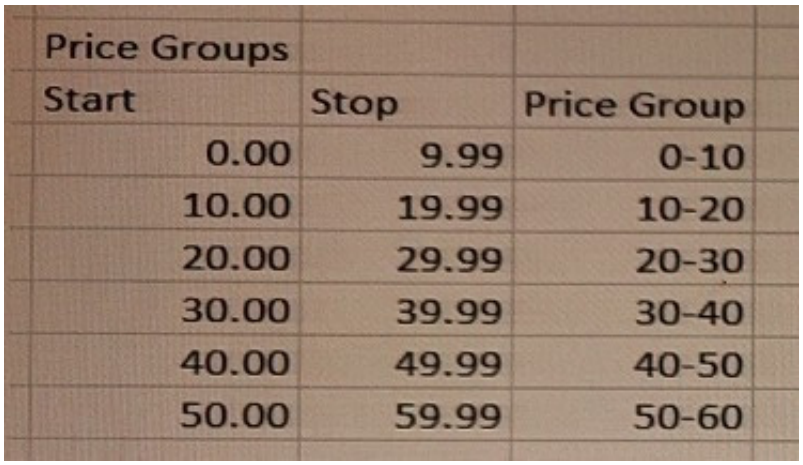
C. Calculate the days since previous discharge using admission date and discharge date

D. Order patient records by patient ID and admission date

Correct Answer: D

QUESTION 6

Refer to the exhibit.



Price Groups		
Start	Stop	Price Group
0.00	9.99	0-10
10.00	19.99	10-20
20.00	29.99	20-30
30.00	39.99	30-40
40.00	49.99	40-50
50.00	59.99	50-60

A data architect must classify each product into a price group. The price groups must be the same width by default and allow users to dynamically change the width of the bucket during analysis. Which feature should the data architect use to meet these requirements?

A. Class function in the script and use variables

B. Class function in a calculated dimension

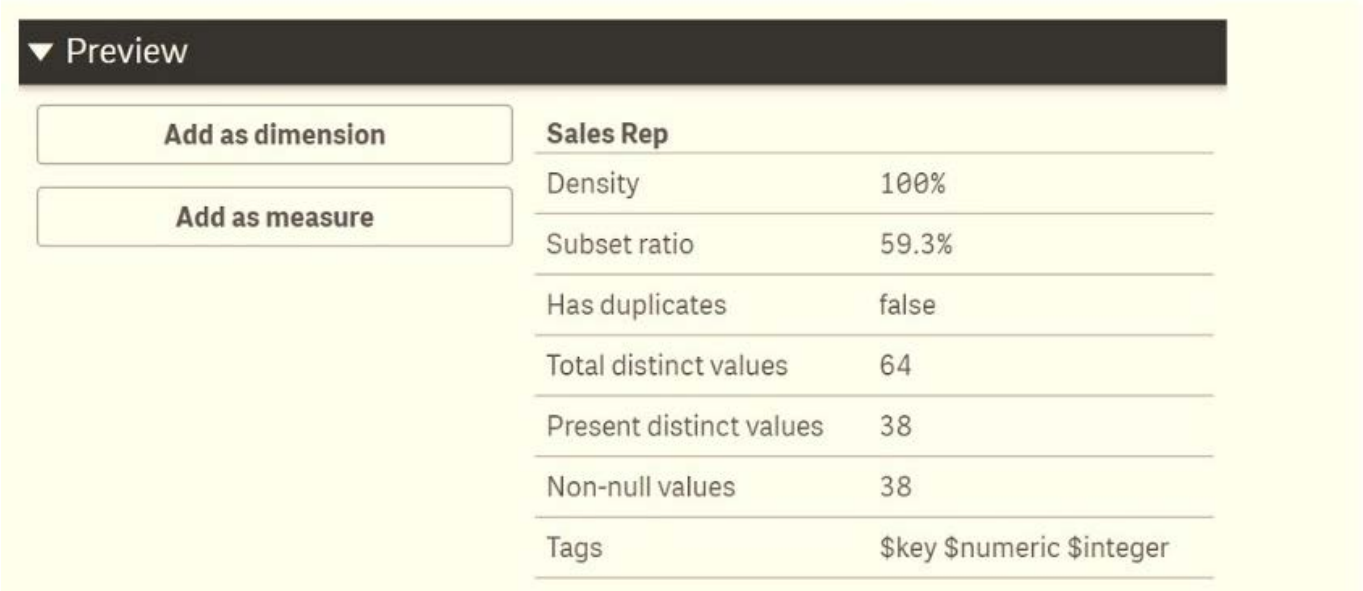
C. Nested IFs in a calculated dimension

D. IntervalMatch and use variables

Correct Answer: B

QUESTION 7

Refer to the exhibit.



Refer to the exhibits.

While using an app, the users report that some Sales Reps do NOT have personal details, like Division or Address Number A data architect has been called in to investigate.

The data architect uses the data model viewer to determine the relationship between the SalesRepMaster and CustomerMaster tables.

What is the cause of the issue?

A. 26 values for Sales Rep are null in CustomerMaster

B. 40.7% of the Sales Rep have CustomerMaster information

C. 59.3% of the Sales Rep have CustomerMaster information

D. Density is 100% while Total Distinct and Present Distinct are NOT the same

Correct Answer: D

Explanation: When using the data model viewer to investigate the relationship between the SalesRepMaster and CustomerMaster tables, the data architect would look at the density of the relationship. Density is a measure of how well the key

fields of a table match the key fields of another table. A density of 100% means that all key fields in one table have a match in the other table.

When the density is 100% but the total distinct and present distinct values for the key fields of the related tables do not match, it means that some of the key fields in one table do not have a match in the other table, this is the cause of the

issue.

QUESTION 8

A human resources (HR) team manager is due to go on leave. The manager needs to assign permissions to colleague to help the HR team publish apps. Which action(s) should the manager assign to the colleague before going on leave?

A. Owner Publish

B. Publish

C. Owner Publish, Read

D. Publish, Read

Correct Answer: A

Explanation: The Owner Publish permission allows the colleague to publish apps on behalf of the manager, allowing the HR team to continue to publish apps while the manager is away. The other options, Publish, Owner Publish, Read, and Publish, Read, do not provide the colleague with the necessary permissions to publish apps on behalf of the manager.

QUESTION 9

A data architect is loading two tables into a data model from a SQL database. These tables are related on key fields CustomerID and CustomerKey. Which script is valid to load the tables and maintain the correct association?

A.
```
OrderDetails:
LOAD OrderKey, CustomerKey, LineTotal, ProductKey;
SQL SELECT * FROM OrderDetails;
ALIAS CustomerKey AS CustomerID;
Customers:
LOAD CustomerID AS CustomerKey, AccountNumber, CustomerName;
SQL SELECT * FROM Customers;
```

B.
```
QUALIFY CustomerID;
OrderDetails:
LOAD OrderKey, CustomerKey AS CustomerID, LineTotal, ProductKey;
SQL SELECT * FROM OrderDetails;

Customers:
LOAD CustomerID AS OrderDetails.CustomerID, AccountNumber, CustomerName;
SQL SELECT * FROM Customers;
```

C.
```
OrderDetails:
LOAD OrderKey, AUTONUMBER(CustomerKey), LineTotal, ProductKey;
SQL SELECT * FROM OrderDetails;

Customers:
LOAD AUTONUMBER(CustomerID) AS CustomerKey, AccountNumber, CustomerName;
SQL SELECT * FROM Customers;
```

D.
```
OrderDetails:
LOAD OrderKey, CustomerKey AS CustomerID, LineTotal, ProductKey;
SQL SELECT * FROM OrderDetails;
RENAME FIELD CustomerID TO CustomerKey;

Customers:
LOAD CustomerID, AccountNumber, CustomerName;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 10

A data architect is developing an app that will generate QVDs for multiple business analysts. The field naming conventions on the source data are NOT business friendly. For every table loaded, multiple fields will require a name change.

An Excel file is maintained centrally that lists all source data field names and the appropriate names as they should appear in the QVDs

Which strategy should the data architect use to meet these requirements?

A. Use the Rename function and a mapping load

B. Create master items using business-friendly names

C. Use the Alias function and a mapping load

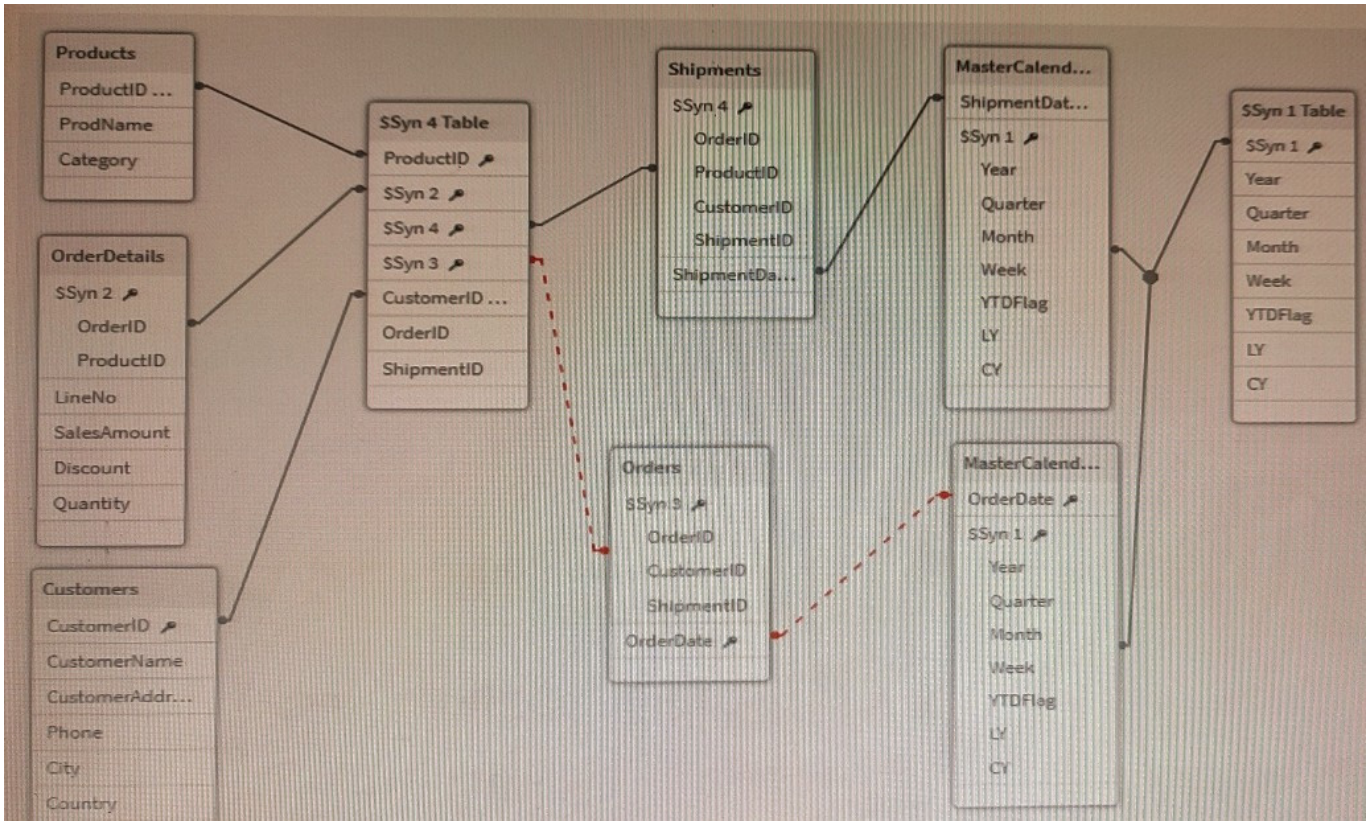
D. Load in the Excel file as a data island and use the Peek function

Correct Answer: A

Explanation: The Rename function allows the data architect to rename fields from the source data to the names specified in the Excel file. The mapping load allows the data architect to load the mapping between the source field names and the business-friendly names from the Excel file. The other options, Create master items using business-friendly names, Use the Alias function and a mapping load, and Load in the Excel file as a data island and use the Peek function, are not valid strategies for meeting these requirements.

QUESTION 11

Refer to the exhibit.



A data architect is working on a Qlik Sense app the business has created to analyze the company orders and shipments. To understand the table structure, the business has given the following summary:

Every order creates a unique orderID and an order date in the Orders table An order can contain one or more order lines one for each product ID in the order details table Products in the order are shipped (shipment date) as soon as tliey are ready and can be shipped separately The dates need to be analyzed separately by Year Month, and Quarter

The data architect realizes the data model has issues that must be fixed.

Which steps should the data architect perform?

A. 1. Create a key with OrderID and ProductID in the OrderDetails table and in the Orders table

2.

Delete the ShipmentID in the Shipments table

3.

Delete the ProductID and OrderID in the OrderDetails table

4.

Concatenate Orders and OrderDetails

5.

Create a link table using the MasterCalendar table and create a concatenated field between OrderDate and ShipmentDate

B. 1. Create a key with OrderID and ProductID in the OrderDeta Is table and in the Shipments table

2.

Delete the ShipmentID in the Orders table

3.

Delete the ProductID and OrderID in the Shipmi

4.

Left join Orders and OrderDetails

5.

Use Derive statement with the MasterCalendar table and apply the derive fields to OrderDate and ShipmentDate

C. 1. Create a key with OrderID and ProductID in the OrderDetails tab e and in the Orders table

2.

Delete the ShipmentID in the Shipments table

3.

Delete the ProductID and OrderID in the OrderDetails

4.

Left join Orders and OrderDetails

5.

Use Derive statement with the MasterCalendar table and apply the derive fields to OrderDate and ShipmentDate

D. 1. Create a key with OrderID and ProductID in the OrderDetails table and in the Shipments table

2. Delete the ShipmentID in the Orders table

3 Delete the ProductID and OrderID in the Shipments table

4. Concatenate Orders and OrderDetails

Correct Answer: D

QUESTION 12

Refer to the exhibit

A data architect is working on an app that contains orders, invoices, and shipping data. There are three different date fields within the data:

*

OrderDate

*

InvoiceDate

*

ShippingDate

The business analyst needs to replicate the chart above to show Order and Shipping amounts on the same Month axis.

What should the data architect do?

A.

Create a Month field for each of the three dates in the fact table and use that in the chart

B.

Load the key field and the three date fields into a concatenated bridge table that contains KeyField and Date

C.

Left Join the three date fields onto one bridge table using the key field containing KeyField and Date

Correct Answer: B

QUESTION 13

A data architect of an organization that has implemented Qlik Sense on Windows needs to load large amounts of data from a database that is continuously updated

New records are added, and existing records get updated and deleted. Each record has a LastModified field.

All existing records are exported into a QVD file. The data architect wants to load the records into Qlik Sense efficiently.

Which steps should the data architect take to meet these requirements?

A. 1 Load the existing data from the QVD

2.

Load the new and updated data from the database without the rows that have just been loaded from the QVD and concatenate with data from the QVD

3.

Load all records from the key field from the database and use an INNER JOIN on the previous table

B. 1. Load the existing data from the QVD

2.

Load new and updated data from the database Concatenate with the table loaded from the QVD.

3.

Create a separate table for the deleted rows and use a WHERE NOT EXISTS to remove these records

C. 1. Use a partial LOAD to load new and updated data from the database.

2.

Load the existing data from the QVD without the updated rows that have just been loaded from the database and concatenate with the new and updated records

3.

Use the PEEK function to remove the deleted rows

D. 1 Load the new and updated data from the database.

2.

Load the existing data from the QVD without the updated rows that have just been loaded from the database and concatenate with the new and updated records.

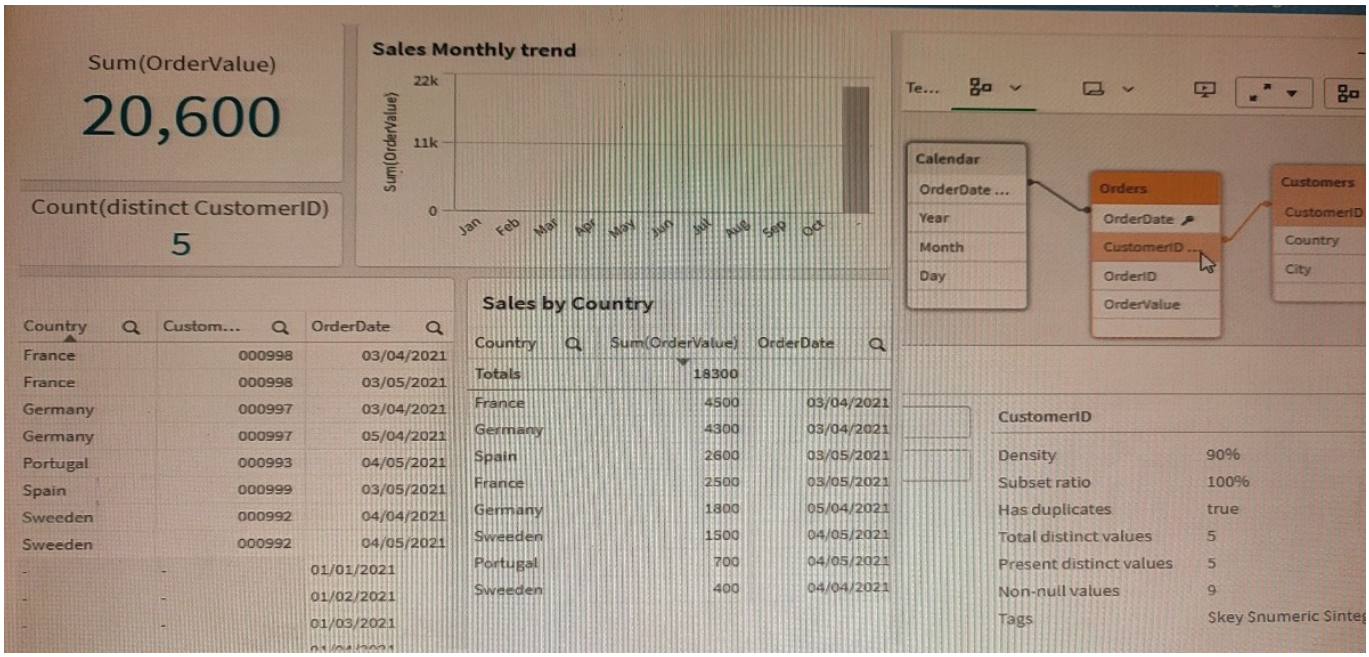
3.

Load all records from the key field from the database and use an INNER JOIN on the previous table.

Correct Answer: D

QUESTION 14

Refer to the exhibit.



A data architect is working with an app and creates some visualizations to check the data. Some visualizations show issues in the data set.

*

The Sales by Country table shows a total OrderValue of 18,300 sales while the KPI shows a total OrderValue of 20,600.

*

The Sales monthly trend bar chart does not work with the Month field. Which two data issues should the data architect fix in the app? (Select two.)

A.

The Month field does not exist in the Orders table and needs to be incorporated in the table using he Calendar table.

B.

In the Orders table, some CustomerID values are null because there are orders with no customer and needs to be

incorporated in the table using the Calendar table, null because there are orders with no customer

C.

In the Orders table, some values in the CustomerID field do not exist in the Customers table.

D.

The OrderDate field values in the Calendar table do not match with the values in the OrderDate field from the Orders table

Correct Answer: CD

QUESTION 15

A data architect needs to load data from two different databases Additional data will be added from a folder that contains QVDs. text files, and Excel files. What is the minimum number of data connections required?

A. Two

B. Five

C. Four

D. Three

Correct Answer: D