

QSDA2019^{Q&As}

Qlik Sense Data Architect Certification Exam - June 2019 Release

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QUESTION 1

Refer to the exhibit.

| EmployeeID | Department |
|------------|-----------------|
| 1 | Executive |
| 2 | IT |
| 3 | Sales |
| 4 | Sales |
| 5 | Sales |
| 6 | IT |
| 7 | Human Resources |
| 8 | Human Resources |
| 9 | R&D |
| 10 | R&D |
| 11 | Logistics |

A company has different departments Executive and Sales should always be the first values in a Department filter pane.

Which script must the data architect use to meet this requirement?

A)

```
Employeeestemp:
LOAD
    EmployeeID,
    Department
FROM [lib://Data/Departments.xlsx]
(ooxml, embedded labels, table is Sheet1);

Employees:
LOAD
    EmployeeID,
    Department
Resident Employeeestemp
Order By Department (Executive, Sales) Asc;

Drop table Employeeestemp;
```

B)

```
CustomSort:
LOAD * INLINE [
    JobTitle
    Excutive,
    Sales
];

Employees:
LOAD
    EmployeeID,
    Department
FROM [lib://Data/Departments.xlsx]
(ooxml, embedded labels, table is Sheet1);
Drop table CustomSort;
```

C)

```
Employees:
LOAD
    EmployeeID,
    Department
FROM [lib://Data/Departments.xlsx]
(ooxml, embedded labels, table is Sheet1)
Order by Department (Executive, Sales) Asc;
```

D)

```
Employees:
LOAD
    EmployeeID,
    IF(Department='Executive', Dual(Department, 1),
        IF(Department='Sales', Dual(Department, 2))) AS Department
FROM [lib://Data/Departments.xlsx]
(ooxml, embedded labels, table is Sheet1);
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: C

QUESTION 2

A data architect needs to upload different data sources. To properly handle null values, the data architect decides to set all of these values to "Missing Value".

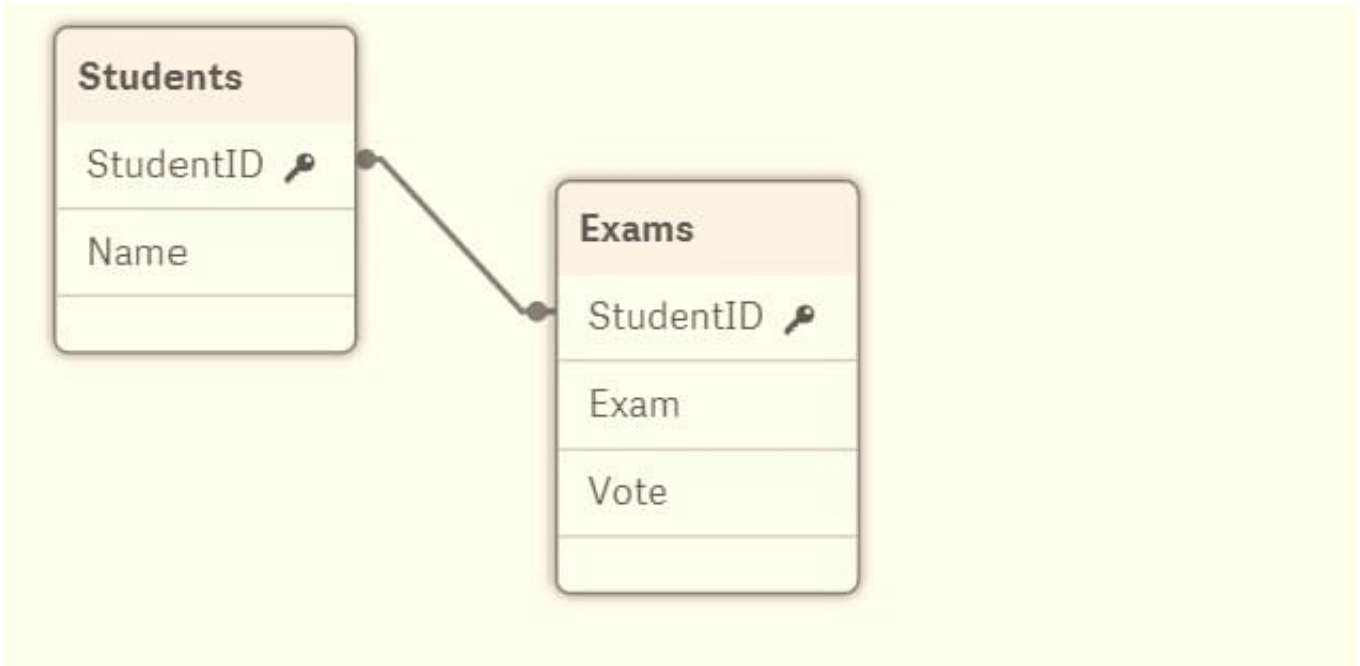
Which syntax should the data architect use?

- A. NullAsValue*; Set NullValues = \"Missing Value\";
- B. NullasNull *; Set NullValues = \"Missing Value\";
- C. NullasNull *; Set NullValue = \"Missing Value\";
- D. NullAsValue*; Set NullValue = \"Missing Value\";

Correct Answer: C

QUESTION 3

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: C

QUESTION 4

Refer to the exhibit.



A global sales organization operates in three regions: AMERICAS, EMEA: and APAC. Each region stores its sales transactions in a separate database in which the employees update customer data through a third-party app. The data is extracted into three QVDs.

A data architect sets up a two-tier architecture for the data load. The data architect needs to add the region to the data model.

Which technique should the data architect use to create the Region field?

- A. Create a Region field in the SalesTransaction table and populate using fixed region values while loading from each source
- B. Create a Region field in the Employee table and populate using the LTrim function on the EmployeeID
- C. Create a Region field in the Employee table and populate using the SubField function on the EmployeeID
- D. Create a Region field in the SalesTransaction table and create a mapping table based on the Country field in the Customer table

Correct Answer: D

QUESTION 5

Refer to the exhibits.

| Conversion Table: | | Master Calendar: |
|----------------------|---------------|----------------------|
| DateTime | Exchange Rate | Date |
| 2019-07-01T23:00:00Z | 0.627857 | 2019-07-23T23:00:00Z |
| 2019-07-23T23:00:00Z | 0.682659 | 2019-09-23T23:00:00Z |
| 2019-06-01T23:00:00Z | 1 | 2019-06-01T23:00:00Z |
| 2019-06-23T23:00:00Z | 44.258 | |
| 2019-05-01T23:00:00Z | 48.12783 | |
| 2019-05-23T23:00:00Z | 70.4975 | |
| 2019-04-01T23:00:00Z | 75.7755 | |
| 2019-04-23T23:00:00Z | 82.389 | |
| 2019-03-23T23:00:00Z | 120.69 | |

A business analyst needs to see the currency conversion rate for any given date in a chart. The currency conversion rate data comes from Qlik DataMarket and only contains a record when the rate changes. An existing master calendar exists in the data model which contains a full set of dates.

Which technique should the data architect use to meet this requirement?

- A. Outer Join the calendar with the currency conversion table. Order by the date and use the Peek function to fill in blank values.
- B. Use a FOR loop between the start date and end date of the master calendar. Use the Match function to add the currency conversion rates to the master calendar.
- C. Use IntervalMatch to load the currency conversion rate between dates the conversion changed. Inner Join the resultant table back into the master calendar.
- D. Use IterNo and AutoGenerate to create a new calendar from max and mm dates of the currency conversion table. Force concatenate with the master calendar.

Correct Answer: A

QUESTION 6

Refer to the exhibit.



▼ Preview

Add as dimension

Add as measure

Sales Rep

| | |
|-------------------------|---------------------------|
| Density | 100% |
| Subset ratio | 59.3% |
| Has duplicates | false |
| Total distinct values | 64 |
| Present distinct values | 38 |
| Non-null values | 38 |
| Tags | \$key \$numeric \$integer |

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

QUESTION 7

A data architect completes development of a new app with two data sources Both data sources will also be used by other apps in the future The sources have different data refresh frequencies: Source 1 Contains frequently updated data and must be refreshed hourly Source 2 Contains data that is transferred from a partner and must be refreshed weekly

Tasks must be created to load the data sources and make sure that the new app uses the most current data The data will be stored in two QVDs.

Which tasks should be created to meet these requirements?

- A. 1. ScheduleTask 1 to run hourly and refresh data from Source 1
- 2.

ScheduleTask 2 to run weekly and refresh data from Source 2

3.

Schedule a task for the app that is dependent on completion ofTasks 1 or 2 that loads the two QVDs

B. 1. ScheduleTask 1 to run hourly and refresh data from Source 1

2.

ScheduleTask 2 that is dependent onTask 1 to refresh data from Source 2

3.

Schedule a task for the app that is dependent on completion ofTask 2 that loads the two QVDs

C. 1. ScheduleTask 1 to run hourly and refresh data from Source 1

2.

ScheduleTask 2 that is dependent onTask 1 to refresh data from Source 2

3.

Schedule a task for the app that is dependent on completion ofTasks 1 and 2 that loads the two QVDs

D. 1. ScheduleTask 1 to run hourly and refresh data from Source 1

2.

ScheduleTask 2 to run weekly and refresh data from Source 2

3.

Schedule a task for the app that is dependent on completion ofTask 2 that loads the two QVDs

Correct Answer: D

QUESTION 8

A company decides to migrate all apps from QlikView to Qlik Sense. After converting an apps: there are several unconverted objects.

What should the data architect do?

A. Save the unconverted objects as extensions and import them into Qlik Sense

B. Remove the set analysis statements from the unconverted objects

C. Re-create the unconverted objects

D. Save the unconverted objects as master items

Correct Answer: A

QUESTION 9

A data architect creates a collection of large QVD files that propagate data into their apps. This solution works well. However, a new app that uses a subset of the data in a QVD takes much longer than expected to reload. The LOAD statement is

```
CustomerExperience:
LOAD *
FROM [lib://QVDRepo/Customersatisfaction.qvd] (qvd)
WHERE Region = 'North Africa' OR Region = 'Western Europe' OR Region = 'Southern Europe';
```

Which two changes should be made to improve load performance? (Select two) A)

Change the following in the QVD load:

```
CustomerExperience:
INNER JOIN(Temp)
LOAD CustomerID, Product, AccountStatus,
MayContact, SatisfactionScore
FROM [lib://QVDRepo/Customersatisfaction.qvd] (qvd);
```

B)

Replace the WHERE clause with the following:

```
WHERE IN (LOAD Region RESIDENT Temp);
```

C)

Add the following before the QVD load:

```
Temp:
LOAD * INLINE [
Region
North Africa
Southern Europe
Western Europe
];
```

D)

Add the following before the QVD load:

```
Temp:
LOAD CustomerID, Region
FROM [lib://QVDRepo/Customersatisfaction.qvd] (qvd)
WHERE Region = 'North Africa' OR Region = 'Western Europe'
OR Region = 'Southern Europe';
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 10

A data architect executes the following script:

```
Table_A:
LOAD * INLINE [
  Field_1, Field_2, Field_3
  01, AB, 10
  01, AC, 50
  02, AD, 75
];

Join(Table_A)
Table_B:
LOAD * INLINE [
  Field_1, Field_4, Field_5
  01, 30%, 500
  03, 60%, 1000
];
```

What will be the result of Table_A?

A)

Preview of data

| Field_1 | Field_2 | Field_3 | Field_4 | Field_5 |
|---------|---------|---------|---------|---------|
| 01 | AB | 10 | 30% | 500 |
| 01 | AC | 50 | 30% | 500 |
| 02 | AD | 75 | - | - |
| 03 | - | - | 60% | 1000 |

B)

Preview of data

| Field_1 | Field_2 | Field_3 | Field_4 | Field_5 |
|---------|---------|---------|---------|---------|
| 01 | AB | 10 | 30% | 500 |
| 01 | AC | 50 | 30% | 500 |
| 02 | AD | 75 | - | - |

C)

Preview of data

| Field_1 | Field_2 | Field_3 | Field_4 | Field_5 |
|---------|---------|---------|---------|---------|
| 01 | AB | 10 | 30% | 500 |
| 01 | AC | 50 | 30% | 500 |

D)

Preview of data

| Field_1 | Field_2 | Field_3 | Field_4 | Field_5 |
|---------|---------|---------|---------|---------|
| 01 | AB | 10 | 30% | 500 |
| 01 | AC | 50 | 30% | 500 |
| 03 | - | - | 60% | 1000 |

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

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