

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

Refer to the exhibit.



The data architect needs to build a model that contains Sales and Budget data for each customer. Some customers have Sales without a Budget, and other customers have a Budget with no Sales During loading, the data architect resolves a synthetic key by creating the composite key For validation, the data architect creates a table containing Customer, Month. Sales, and Budget columns.

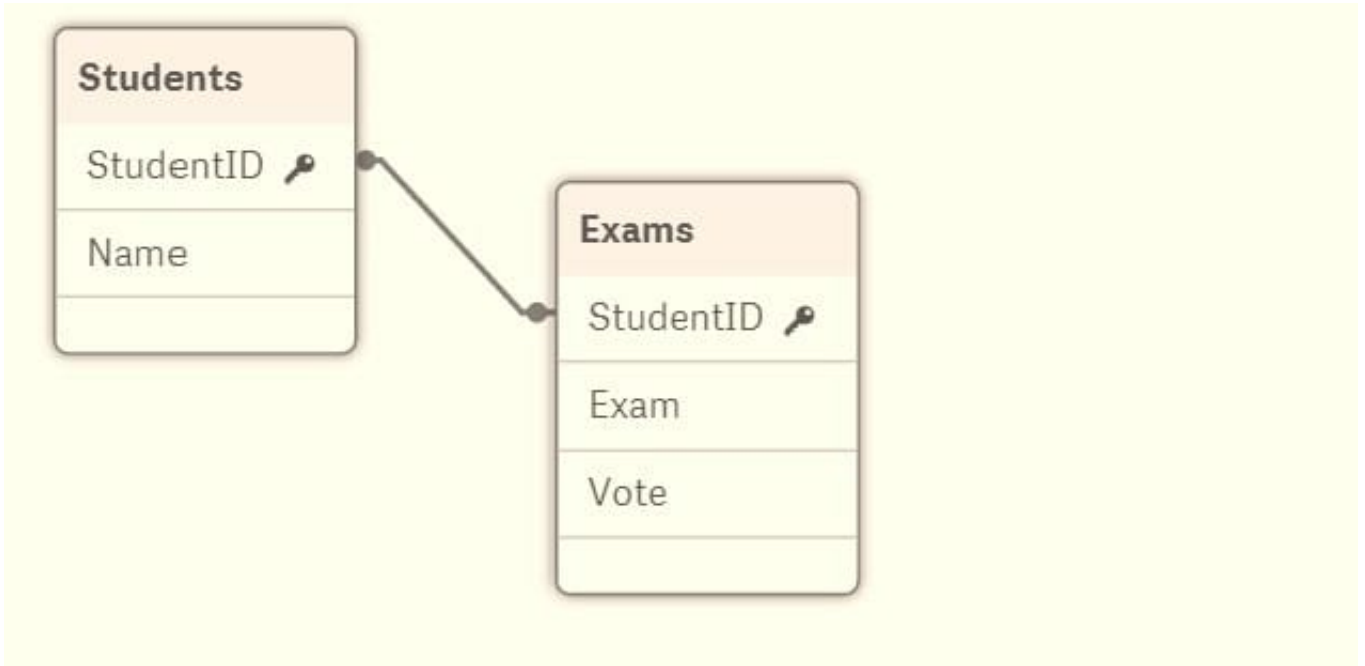
What does the data architect see when selecting a month?

- A. All Customers, all Budget and all Sales records
- B. Customer and Sales records for that month, but missing values for Budget
- C. Customer and Budget records for that month, but missing values for Sales
- D. Customer, Sales, and Budget records for that month

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

Multiple department fields in a dataset require a description. A data architect needs to add the department descriptions or a default value when the department does NOT have a description.

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

- A. ApplyMap with two parameters after the Mapping load
- B. Left Join between tables and Description.xlsx in every Department table
- C. Enter "Missing description" in the blank rows for Description.xlsx, then use Mapping Load
- D. ApplyMap with three parameters after the Mapping load

Correct Answer: A

QUESTION 5

A data architect needs to create an app that combines employee data from the Sales system and the Human Resources (HR) system. These systems identify employees differently. Employees in the HR system are identified with an alphanumeric key. Employees in the Sales system are identified using an integer key. The Human Resources manager creates a table which maps these keys to one another, called Associations. The resultant data model must meet the following requirements: Associations must be valid. The model must be optimized for performance. The option must support multiple tables added from both systems now and in the future.

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

- A. `APPLYMAP { '\\Associations\\', EmployeeKey) AS EmployeeKey;`
- B. `MAP EmployeeKey USING Associations;`
- C. `RENAME FIELDS USING Associations;`
- D. `MapSubString(\\Associations\\', EmployeeKey) AS EmployeeKey;`

Correct Answer: A

QUESTION 6

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 Readmission"

•

Data being used from the patient record includes hospital account ID, patient ID, admission date 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: A

QUESTION 7

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. Four
- C. Five
- D. Three

Correct Answer: A

QUESTION 8

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 9

Refer to the exhibit.

Year	CustomerID	Sales
2018	111	75
2019	111	100
2018	222	110
2019	222	150
2019	333	200
2018	444	140
2019	444	400
2018	555	25
2018	666	45

A data architect loads sales data and creates a table which shows only customers who made purchases in 2018 and 2019. The data architect applies the following set analysis expression on the sales measure. Count