



# QSDA2019<sup>Q&As</sup>

Qlik Sense Data Architect Certification Exam - June 2019 Release

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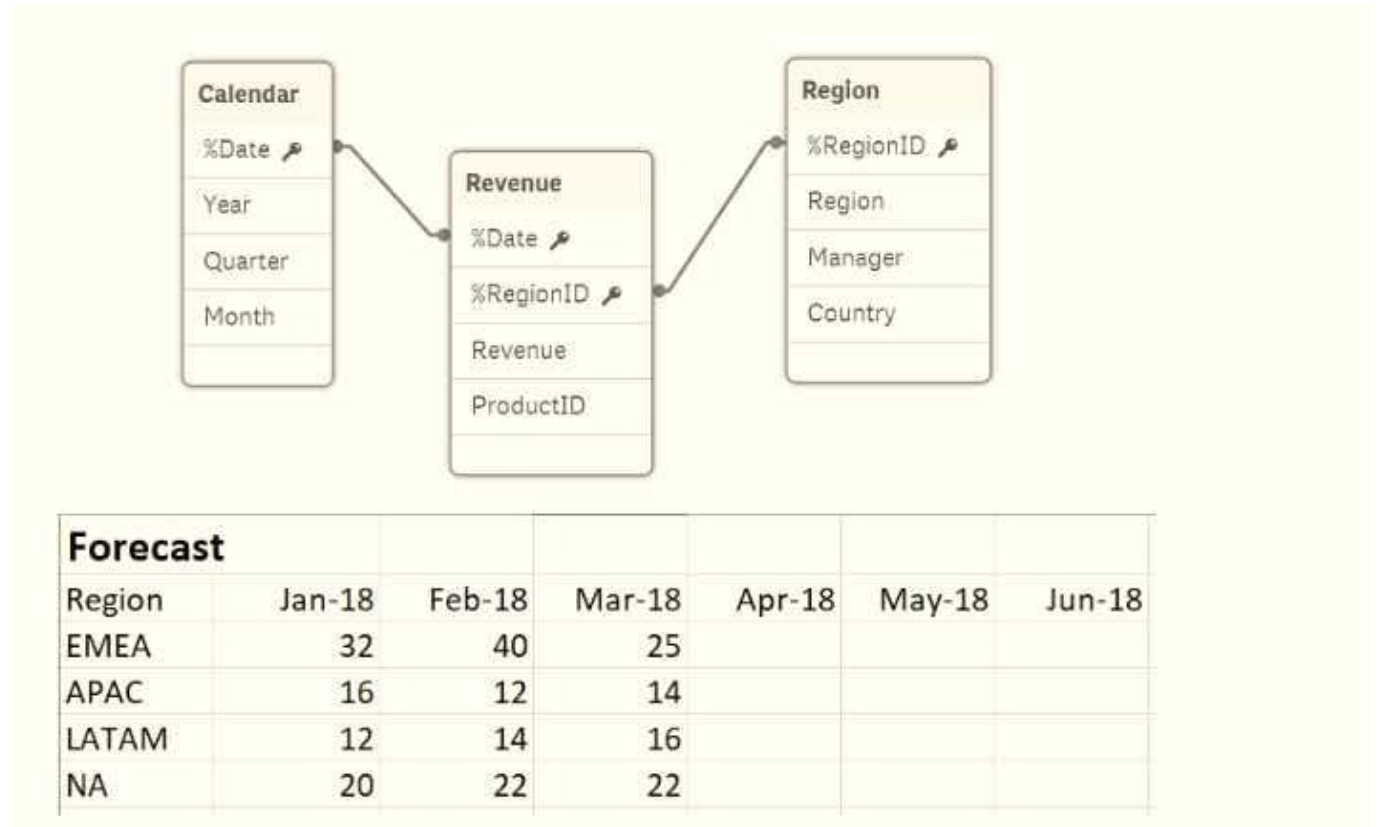
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## QUESTION 1

Refer to the exhibit.



A business department is forecasting revenue within an Excel spreadsheet. A data architect needs to include this forecast into the existing data model, and without losing any data.

Which two sets of steps will meet these requirements? (Select two.)

A. 1. Load the Excel spreadsheet using the data load editor

2.

Use the Unpivot function

3.

Use the Sum function to group the forecast by date

4.

Connect to the existing data model

B. 1. Load the Excel spreadsheet using the data load editor

2. Use the Crosstable function to unpivot the table



3 Create a composite key out of the date and region

4 Connect the new table to the data model

C. 1. Load the Excel spreadsheet using the data load editor

2.

Change the sort order by date

3.

Create a composite key out of the forecast and region

4.

Connect to the existing data model

D. 1. Load the Excel spreadsheet into the data manager

2.

Use the Unpivot function

3.

Create a composite key from the date and region

4.

Connect the new table to the data model

E. 1. Load the Excel spreadsheet using the data manager

2.

Rename the ForecastDate field to Date

3.

Disable the Region

4.

Connect to the existing data model

Correct Answer: D

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## QUESTION 2

A data architect plans to build an app that contains geographically diverse data that must be specific to user run-time selections. The source contains transactional data. The app must have minimal impact on already limited server resources.



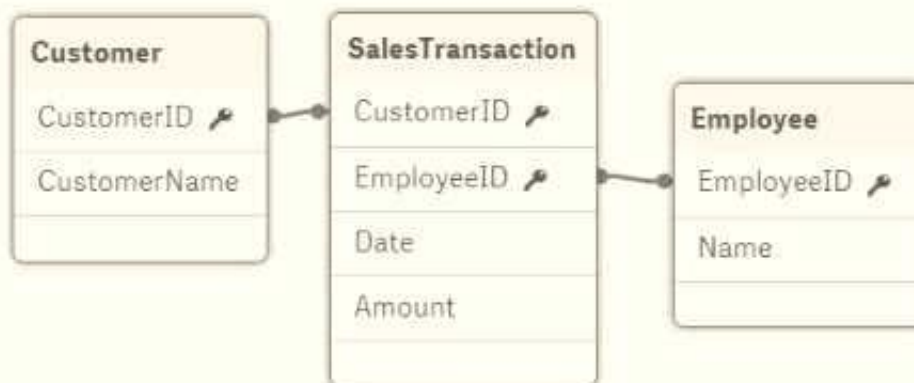
Which approach should the data architect use?

- A. Loop and Reduce
- B. QVDs
- C. In-memory
- D. ODAG

Correct Answer: A

### QUESTION 3

Refer to the exhibit.



CustomerID	CustomerName	Country
A1537438	Durgan Ltd	United Kingdom
A3055345	Kertzmann and Sons	United States of America
I1803273	Weissnat, Morar and Mills	USA
Z5373110	Towne, Von and Gulgowski	UK
KK720402	Shanahan	U.S.A
AA82402	Globex	Japan
BB29729	Grant	France
B11764	Bernhard, Hettinger and Kautzer	New Zealand

EmployeeID	Name
AMER001	Alice
AMER99837	Bob
EMEA1207	Carlos
APAC3322	Grace
APAC92611	John
EMEA1304	Heidi



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 4

Refer to the exhibit.

Date	PatientChange
2019-01-01	100
2019-01-02	25
2019-01-02	-30
2019-01-03	10
2019-01-03	-15
2019-01-04	20
2019-01-04	-10

This table contains information about the number of admissions and discharges of patients in a hospital.

The values can be positive or negative. The data architect needs to create an extra column that contains the number of patients that are currently in the hospital.

Which script should the data architect use?



A)

```
PatientData:
LOAD
    Date, PatientChange,
    PatientChange + FieldValue(PatientChange) AS #Patients
FROM [lib://Data/PatientData.xlsx]
(coxml, embedded labels, table is Sheet1);
```

B)

```
PatientData:
LOAD
    Date, PatientChange,
    Above(PatientChange) AS #Patients
FROM [lib://Data/PatientData.xlsx]
(coxml, embedded labels, table is Sheet1);
```

C)

```
PatientData:
LOAD
    Date, PatientChange,
    RangeSum(PatientChange, Peek(#Patients)) AS #Patients
FROM [lib://Data/PatientData.xlsx]
(coxml, embedded labels, table is Sheet1);
```

D)

```
PatientData:
LOAD
    Date, PatientChange,
    PatientChange + Peek(PatientChange) AS #Patients
FROM [lib://Data/PatientData.xlsx]
(coxml, embedded labels, table is Sheet1);
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

**QUESTION 5**

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)

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

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

Drop table EmployeeTemp;
```

B)





```
CustomSort:
LOAD * INLINE [
    JobTitle
    Executive,
    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