

## QSDA2018<sup>Q&As</sup>

Qlik Sense Data Architect Certification Exam

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## QUESTION 1

A data architect needs to develop three separate apps (Sales, Finance, and Operations). The three apps share numerous identical calculation expressions. The data architect wants to reduce duplicate script and stores it on a file server that Qlik Sense can access.

How should the data architect complete requirements?

- A. Call batch file
- B. Macro on server
- C. Execute server script
- D. Include script function

Correct Answer: D

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## QUESTION 2

Refer to the exhibit.

The exhibit shows two table schemas. The 'Encounters' table has columns: EncounterID, PatientID, AdmissionDate, and DischargeDate. The 'Master Calendar' table has columns: Date, Month, Year, Year/Month, Quarter, Year/Quarter, DayOfWeek, and IsHoliday?.

Encounters
EncounterID
PatientID
AdmissionDate
DischargeDate

Master Calendar
Date
Month
Year
Year/Month
Quarter
Year/Quarter
DayOfWeek
IsHoliday?

A major healthcare organization requests a new app with the following requirements:

Users can filter AdmissionDate and DischargeDate by all fields in the master Calendar table

Use an existing QVD file, which includes dates 20 years into the future

Users should not be able to filter on dates that have no associated encounters

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

- A. 1. Load the Encounters table

2.

Perform a Left Join Load on the Encounters table to the master calendar and alias the date fields appropriately for the Admission Date

3.

Perform a Left Join Load on the Encounters table to the master calendar and alias the date fields appropriately for the Discharge Date

B. 1. Load the master calendar

2.

Create two mapping tables called AdmissionCalendar and DischargeCalendar from the Resident master calendar that has all fields appropriately named

3.

Load the Encounters and use ApplyMap for the AdmissionDate and DischargeDate appropriately.

C. 1. Load the Master Calendar and Encounters tables.

2.

Perform a Join Load on the Encounters table to the Resident master calendar and alias the date fields appropriately for the Admission Date

3.

Perform a Join Load on the Encounters table to the Resident master calendar and alias the date fields appropriately for the Discharge Date

D. 1. Load the master calendar as AdmissionCalendar and alias the fields to reflect they are for Admission

2.

Load the master calendar as Discharge Calendar and alias the fields to reflect they are for Discharge

3.

Load the Encounters table

Correct Answer: B

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### QUESTION 3

Sales managers need to see an overview of historical performance and highlight the current year's metrics.

App requirements:

Display the current year's total sales

Total sales displayed must respond to the user's selections

Which variables should a data architect create to meet these requirements?

- A. `LET vCurrentYear = Year(Today());`  
`SUM({<Year={$(vCurrentYear)}>}[Sales Amount])`  
Create the variable, vCurrentYear, in the data load editor. Then create a master item, currentYTDSales, in the assets panel.
- B. `LET vCurrentYear = Year(Today());`  
`LET vCurrentYTDSales = '=SUM({<Year={$(vCurrentYear)}>}[Sales Amount])'`  
Create the variables, vCurrentYear and vCurrentYTDSales, in the data load editor.
- C. `SET vCurrentYear = Year(Today());`  
`LET vCurrentYTDSales = '=SUM({<Year={$(vCurrentYear)}>}[Sales Amount])'`  
Create the variables, vCurrentYear and vCurrentYTDSales, in the data load editor.
- D. `SET vCurrentYear = Year(Today());`  
`SUM({<Year={$(vCurrentYear)}>}[Sales Amount])`  
Create the variable, vCurrentYear, in the data load editor. Then create a master item, currentYTDSales, in the assets panel.

A. B. C. D.

Correct Answer: A

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#### QUESTION 4

The dates are stored as strings in the database. The data architect must convert the dates to date format. The reload must be as fast as possible.

Which script should the data architect use?

```
Transactions:
LOAD * ;
SQL SELECT Date#(TransactionDate, 'YYYY-MM-DD') as TransactionDate FROM ...;
```

A.

- B. Transactions:  
LOAD Date#(TransactionDate,'YYYY-MM-DD') as TransactionDate;  
SQL SELECT TransactionDate FROM ...;
- C. T1:  
LOAD \*;  
SQL SELECT TransactionDate FROM ...;  
Transactions:  
LOAD Date#(TransactionDate,'YYYY-MM-DD') as TransactionDate resident T1;  
Drop table T1;
- D. Transactions:  
LOAD \* ;  
SQL SELECT Date(TransactionDate,'YYYY-MM-DD') as TransactionDate FROM ...;

B. C. D.

Correct Answer: B

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## QUESTION 5

Refer to the exhibits.

EmpID	Dept	Jan	Feb	Mar	Apr	May	Jun
1	A	60	63	53	61	80	57
2	A	60	62	56	73	77	65
3	B	61	62	80	66	77	75
4	B	72	72	55	70	54	77
5	B	72	72	55	55	60	57

**Commission**

EmpID	Dept	ManagerID	Level
1	A	10	Junior
2	A	11	Senior
3	A	10	Junior
4	B	12	Junior
5	B	11	Senior

**Employee**

```

22 CROSSTABLE ([Month],[Commission],2)
23 LOAD *
24 FROM [lib://cert/Book1.xlsx]
25 (ooxml, embedded labels, table is Commission);
26
27 LOAD *
28 FROM [lib://cert/Book1.xlsx]
29 (ooxml, embedded labels, table is Employee);
30

```

The two tables have been loaded by the script shown. This script creates a synthetic key, which is not desired. The Dept code in the Employee table is incorrect for EmpID=3. The data architect must change line 27 to create a single table in the data model that is accurate.

Which LOAD statement should the data architect use?

- A. JOIN LOAD EmpID, ManagerID, Level
- B. KEEP LOAD EmpID, ManagerID, Level
- C. JOIN LOAD \*
- D. CONCATENATE LOAD EmpID, ManagerID, Level

Correct Answer: A