



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

Qlik Sense Data Architect Certification Exam

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**QUESTION 1**

Refer to the exhibits.

Year	Region	Budgeted Sales	
2015	North	10	
2015	West	12	
2015	East	14	
2015	South	16	
Year	Region	Semester	Actual Sales
2015	North	1	10
2015	North	2	8
2015	West	1	12
2015	West	2	11
2015	East	1	14
2015	East	2	9
2015	South	1	16

A data architect must load the two tables without creating a synthetic key. The data architect also must make sure expressions like Sum ([Budgeted Sales]) are calculated correctly.

Which load script meets these requirements?

**Budget:**

```
load * inline [  
Year, Region, Budgeted Sales  
2015, North, 10  
2015, West, 12  
2015, East, 14  
2015, South, 16];
```

**Sales:**

```
inner join(Budget)  
load * inline [  
Year, Region, Semester, Actual Sales  
2015, East, 2, 9  
2015, South, 1, 16  
2015, South, 2, 7  
];
```

A.



B.

**Budget:**

```
load * inline [  
Year, Region, Budgeted Sales  
2015, North, 10  
2015, West, 12  
2015, East, 14  
2015, South, 16];
```

**Sales:**

```
concatenate(Budget)  
load * inline [  
Year, Region, Semester, Actual Sales  
2015, North, 1, 10  
2015, North, 2, 8  
2015, West, 1, 12  
2015, West, 2, 11  
2015, East, 1, 14  
2015, East, 2, 9  
2015, South, 1, 16  
2015, South, 2, 7  
];
```

C.

**Budget:**

```
load * inline [  
Year, Region, Budgeted Sales  
2015, North, 10  
2015, West, 12  
2015, East, 14  
2015, South, 16];
```

**Sales:**

```
load * inline [  
Year, Region, Semester, Actual Sales  
2015, North, 1, 10  
2015, North, 2, 8  
2015, West, 1, 12  
2015, West, 2, 11  
2015, East, 1, 14  
2015, East, 2, 9  
2015, South, 1, 16  
2015, South, 2, 7  
];
```



B. C.

**Budget:**

```
load * inline [  
Year, Region, Budgeted Sales  
2015, North, 10  
2015, West, 12  
2015, East, 14  
2015, South, 16];
```

**Sales:**

```
outer join(Budget)  
load * inline [  
Year, Region, Semester, Actual Sales  
2015, North, 1, 10  
2015, North, 2, 8  
2015, West, 1, 12  
2015, West, 2, 11  
2015, East, 1, 14  
2015, East, 2, 9  
2015, South, 1, 16  
2015, South, 2, 7  
];
```

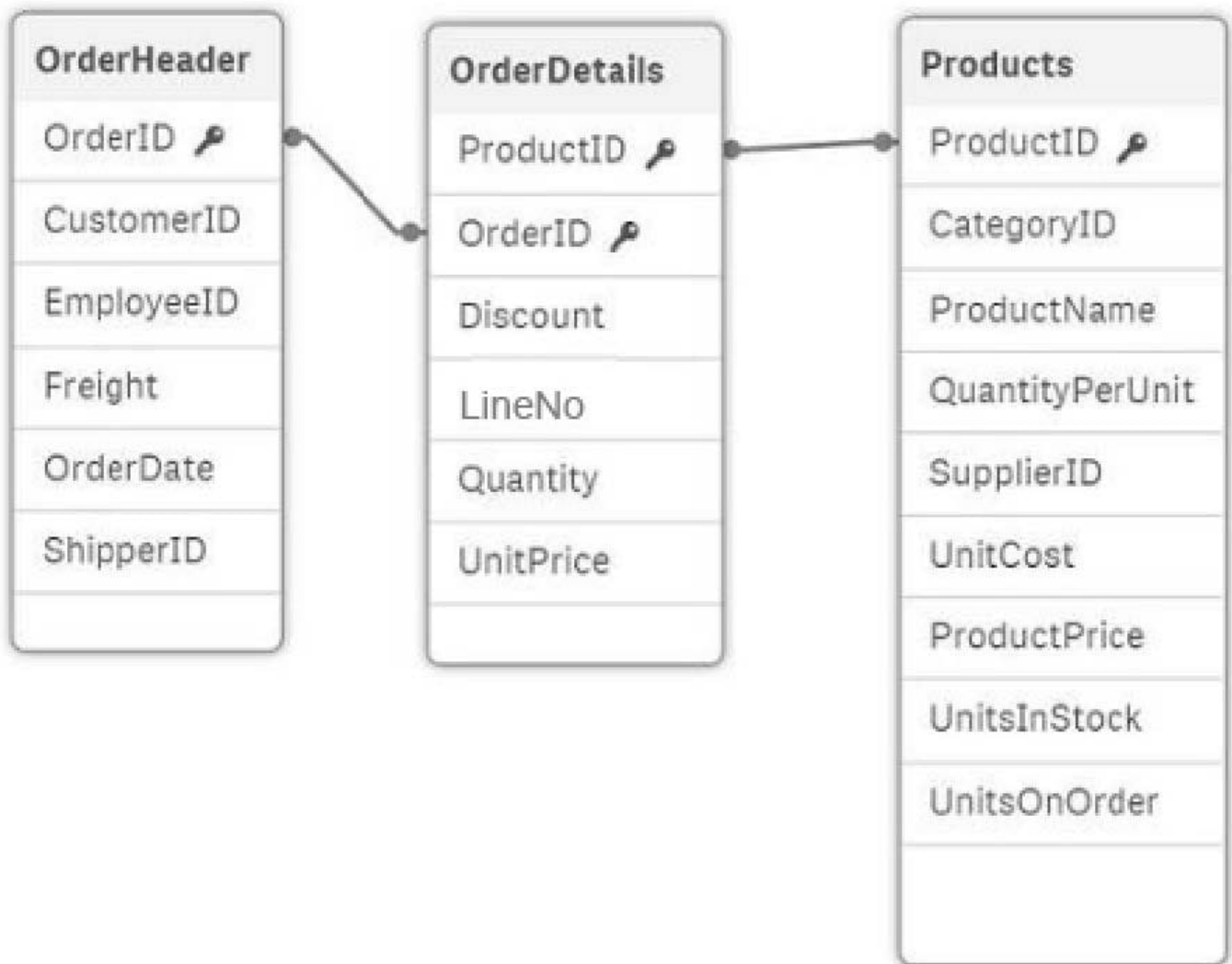
D.

Correct Answer: B

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## QUESTION 2

Refer to the exhibit.



In the data load editor, the tables are loaded in the following sequence:

1.

OrderHeader

2.

OrderDetails

3.

Products

The three tables CANNOT be modified as all fields are required. A data architect must create a Cost of Goods Sold (COGS) field calculated as  $\text{UnitCost} * \text{Quantity}$ . Some products may NOT have UnitCost, so the COGS value must be zero for these products.

How should the data architect meet this requirement?

A. 1. Load the Products table as the first table



2. Create a new field in the OrderDetails table: Quantity \* IsNull (UnitCost) as COGS
- B. 1. Perform a preceding load on the Product table
2. Create a new field in the OrderDetails table: if((UnitCost ?null() or ", 0) \* Quantity as COGS
- C. 1. Join the Products and OrderDetails on ProductID
2. Create a new field in the OrderDetails table: Replace(Null, 0, UnitCost) \* Quantity as COGS
- D. 1. Create a mapping load table as the first table from the Product table
2. Create a new field to the OrderDetails table: ApplyMap (`UnitCost\_Map\\', ProductID, 0) \* Quantity as COGS

Correct Answer: D

---

### QUESTION 3

Refer to the exhibit.

Name	Country
Bob	USA
John	US
Fred	U.S.A.
Amy	France

The Country field in a CRM app is a free-form text field. More spelling variations and countries are expected in the future. A data architect must create a field called CountryCode based on the value in the Country field.

Which script should the data architect create to perform this task?



- A. `LOAD Name,  
Pick(Match(Country, 'USA', 'US', 'U.S.A.', 'France'), 'USA', 'USA', 'USA', 'FRA') AS CountryCode;`
- B. `CountryCode:  
MAPPING LOAD * INLINE [  
Country, CountryCode  
USA, USA  
US, USA  
U.S.A., USA  
France, FRA  
];  
  
Persons:  
LOAD Name,  
ApplyMap('CountryCode', Country, 'UNK') AS CountryCode;`
- C. `LOAD Name,  
If (Left(Country,1)='U', 'USA', 'FRA') AS CountryCode;`
- D. `CountryCode:  
LOAD * INLINE [  
Country, CountryCode  
USA, USA  
US, USA  
U.S.A., USA  
France, FRA  
];  
  
Persons:  
JOIN LOAD Name,  
Country;`

A. B. C. D.

Correct Answer: B

---

#### QUESTION 4

A data architect has a QVD file that contains data from many countries. The data architect must write a script that loads only data from France, and make sure the reload occurs as fast as possible.

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





- A. T1:  
LOAD \* INLINE [  
Country  
France ];  
  
LOAD \* FROM TRANSACTIONS.qvd (qvd) Where EXISTS (Country) ;  
  
DROP Table T1 ;
- B. LOAD \* FROM TRANSACTIONS.qvd (qvd) Where Match(Country,'France');
- C. LOAD \* FROM TRANSACTIONS.qvd (qvd) Where Country='France';

A. B. C.

```
T1:
LOAD * INLINE [
Country
France ];

LOAD * FROM TRANSACTIONS.qvd (qvd) Where Match(Country,'France') ;

DROP Table T1 ;
```

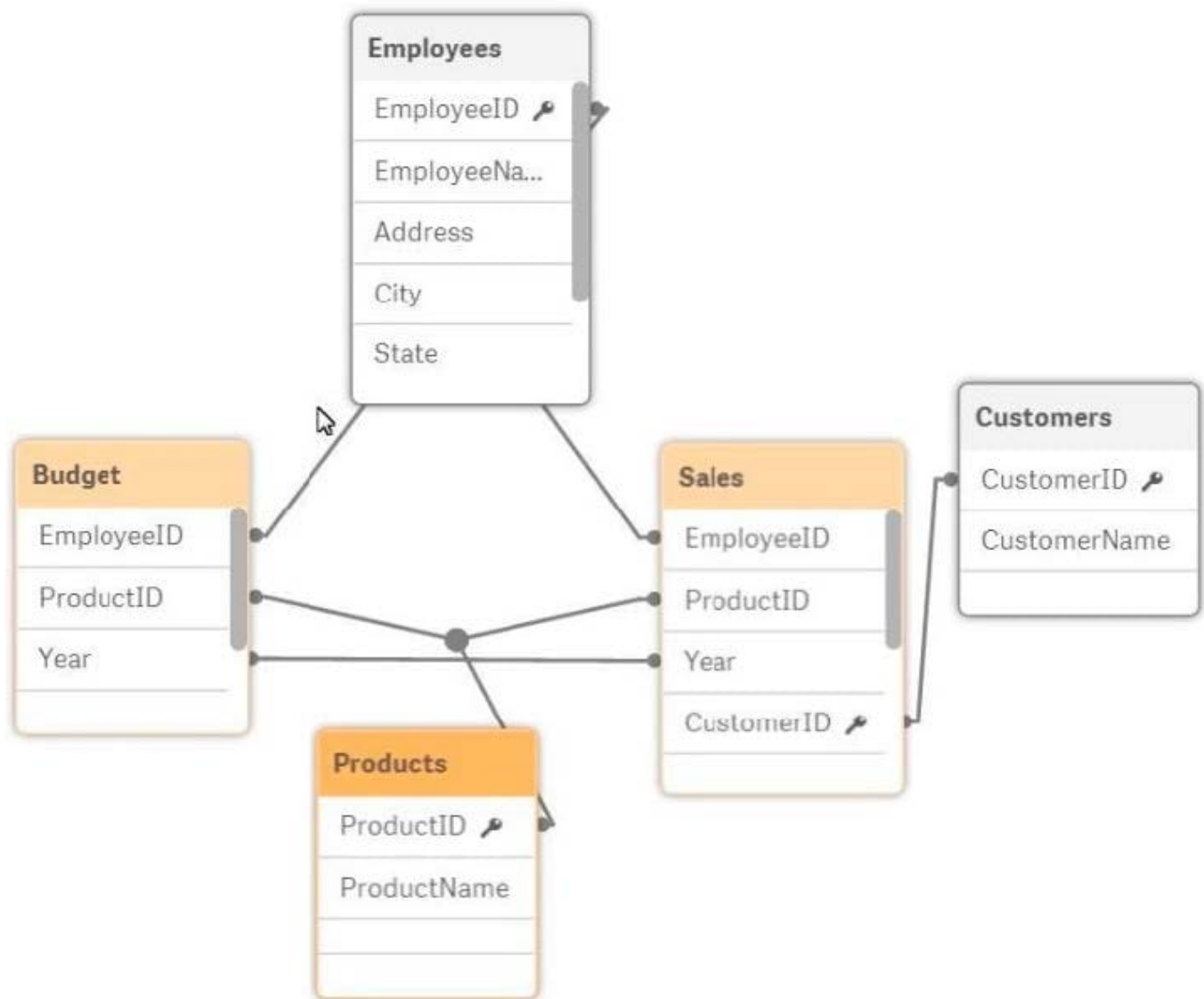
D.

Correct Answer: A

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## QUESTION 5

Refer to the exhibit.



A data architect is reviewing an app that is under development. The app has NOT been published. All data has been validated in all charts and KPIs. The data architect notices that the data model has two fact tables with common field names that cause a synthetic join.

Which step should the data architect take to correct the data model without affecting the app?

- A. Concatenate LOAD the data from the Sales and Budget tables to combine into a single table.
- B. Create a composite key in the Sales and Budget tables that consists of the Year, EmployeeID, and ProductID
- C. Perform a composite key in the Sales and Budget tables instead of loading Year, EmployeeID, and ProductID
- D. Perform a mapping load for the Employees table and use ApplyMap in the Sales and Budget tables.

Correct Answer: D