Vendor: Qlik

Exam Code:QSDA2019

Exam Name: Qlik Sense Data Architect Certification
Exam - June 2019 Release

Version: Demo

QUESTION 1

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 2

A company generates 1 GB of ticketing data daily. The data is stored in multiple tables Business users need to see trends of tickets processed for the past two years. Users very rarely access the transaction-level data for a specific date. Only the past two years of data must be loaded which is 720 GB of data Which method should a data architect use to meet these requirements?

A. Load only two years of data in an aggregated app and create a separate transaction app for occasional use

B. Load only two years of data and use best practices in scripting and visualization to calculate and display aggregated data

C. Load only aggregated data for two years and use Direct Discovery for transaction data

D. Load only aggregated data for two years and use ODAG for transaction data

Correct Answer: D

QUESTION 3

Refer to the exhibit.

FulfillmentCenter	LocationCode	LocationDate	City	latitude	longitude
A	1	03/01/2009	boston	42.35843	-71.05977
B	2	01/01/2010	chicago	41.87823	-87.6298
C	3	06/06/2012	memphis	35.14953	-90.04898
D	4	02/01/2010	los angeles	34.05223	-118.2437
A	5	08/02/2012	seattle	47.60621	-122.3321

OrderDate	Item	FulfillmentDate	FulfillmentCenter
01/01/2009	3054	02/11/2013	A
09/10/2012	4091	08/02/2012	B
04/03/2015	3056	12/09/2014	D
02/11/2013	1035	01/04/2016	B
08/02/2012	2060	02/01/2009	B
12/09/2014	3039	11/10/2014	C
01/04/2016	4050	07/12/2008	D
07/12/2008	3089	05/03/2013	C

A data architect has a data model that includes historical order fulfillment centers. The order fulfillment

centers occasionally changed location. The history of order fulfillment must be tracked on a per center, per

location basis.

Which scripting function should the data architect use to meet this data modeling requirement?

A. IntervalMatch

B. Peek

C. ApplyMap

D. Inner Join

Correct Answer: A

QUESTION 4

Refer to the exhibit.

OrderID	LineNo	CustomerID	ShipperID	ProductID	ShipmentDate		OrderID	LineNo	CustomerID	ShipperID	ProductID	ShipmentDate
1	1	25		72	2013-04-24		1	1	25		72	2013-04-24
1	2	25	2	36			1	2	25	2	36	2013-04-24
1	3	25	2				1	3	25	2		2013-04-24
1	4	25	2	26			1	4	25	2	26	2013-04-24
2	1	65	2	7	2013-05-25		2	1	65	2	7	2013-05-25
2	2	65	2	56			2	2	65	2	56	2013-05-25
2	3	65	2	5			2	3	65	2	5	2013-05-25
3	1	91	2	58	2013-06-29		3	1	91	2	58	2013-06-29
3	2	91	2	31			3	2	91	2	31	2013-06-29
4	1	46	2	10	2013-07-03		4	1	46	2	10	2013-07-03

A shipping company needs to track its shipments using Qlik Sense A data architect has the data in Excel as shown on the left Business rules state that if the ShipmentDate field is empty, it should be populated with the first valid previous date as shown on the right.

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

A)

```
LOAD OrderID,
 LineNo,
 shipperID,
 ProductID,
 if(len(trim(ShipmentDate))=0,date(peek('ShipmentDate', 1), 'YYYY-MM-DD'),ShipmentDate) as ShipmentDate
FROM [lib://Source/Model/shipments.xlsx]
(ooxml, embedded labels, table is shipments);
```

B)

```
LOAD OrderID,
 LineNo,
 ShipperID,
 ProductID,
 if(len(trim(ShipmentDate))=0,date(previous('ShipmentDate'), 'YYYY-MM-DD'),ShipmentDate) as ShipmentDate
FROM [lib://Source/Model/shipments.xlsx]
(ooxml, embedded labels, table is shipments);
```

C)

```
LOAD OrderID,
 LineNo,
 shipperID,
 ProductID,
 if(len(trim(ShipmentDate))=0,date(peek('ShipmentDate'), 'YYYY-MM-DD'),ShipmentDate) as ShipmentDate
FROM [lib://Source/Model/shipments.xlsx]
(ooxml, embedded labels, table is shipments);
```

D)

```
LOAD OrderID,
 LineNo,
 shipperID,
 ProductID,
 if(len(trim(ShipmentDate))=0,date(previous(peek('ShipmentDate',1)), 'YYYY-MM-DD'),ShipmentDate) as ShipmentDate
FROM [lib://Source/Model/shipments.xlsx]
(ooxml, embedded labels, table is shipments);
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 5

A table is generated resulting from the following script

```
LOAD *,
Date(OrderTime) as Date;
LOAD * INLINE [
Order, OrderTime
'ABC',2017-03-12 10:20:15
'XYZ',2017-03-12 11:21:15
'DEF',2017-03-12 10:21:35];
```

When the data architect selects a date, some, but NOT all, orders for that date are shown How should the data architect modify the script to show all orders for the selected date? A)

```
LOAD *,
Date#(OrderTime,'YYYY-MM-DD') as Date;
LOAD * INLINE [
Order, OrderTime
'ABC',2017-03-12 10:20:15
'XYZ',2017-03-12 11:21:15
'DEF',2017-03-12 10:21:35];
```

B)

```
LOAD *,
Floor(MakeDate(OrderTime,'YYYY-MM-DD')) as Date;
LOAD * INLINE [
Order, OrderTime
'ABC',2017-03-12 10:20:15
'XYZ',2017-03-12 11:21:15
'DEF',2017-03-12 10:21:35];
```

C)

```
LOAD *,
Date(Floor(OrderTime),'YYYY-MM-DD') as Date;
LOAD * INLINE [
Order, OrderTime
'ABC',2017-03-12 10:20:15
'XYZ',2017-03-12 11:21:15
'DEF',2017-03-12 10:21:35];
```

D)

```
LOAD *,
Date(OrderTime,'YYYY-MM-DD') as Date;
LOAD * INLINE [
Order, OrderTime
'ABC',2017-03-12 10:20:15
'XYZ',2017-03-12 11:21:15
'DEF',2017-03-12 10:21:35];
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 6

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 7

Users of a published app report incomplete visualizations. The data architect checks the app multiple times

and cannot replicate the error. The error affects only one team.

What is the most likely cause?

A. An Omit field has been applied

B. A security rule has been applied to the sheet object

C. Section access restricts too many records

D. The affected users were NOT added to the Section Access table

Correct Answer: A

QUESTION 8

A customer has a dataset that contains latitude and longitude data for service points around the country. The data is retrieved using the following statement:

```
Locations:
LOAD LocationName, Lat, Long;
SQL SELECT LocationName, Lat, Long FROM Locations;
```

It must be clear to the end user that this is geographic data.

A. Define Location as a master item, and set the tag to Sgeodata

B. Add GeoProject{\\' Point\\' , LatandLong) AS Point to the preceding load

C. Add GeoKakePoint (Lat, Long} as Point to Location\\'s preceding load

D. Add the following to the end of the script: TAG FIELD LocationName With \\'Sgeodata1, \\'Srelated\\'; TAG FIELD Point With \\'Sgeodata\\', \\'Srelated1;

E. Add the following to the end of the script: TAG FIELD LocationName With \\'Sgeoname\\', @relates_Pt\\'; TAG FIELD Point With \\'Sgeopoint*f \\'Srelates Location\\', \\'$hidden\\';

Correct Answer: D

QUESTION 9

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 10

A data architect needs to upload data from ten different sources, but only if there are any changes after the

last reload When data is updated, a new file is placed into a folder mapped to E:\373948870. The data

connection points to this folder.

The data architect plans a script which will:

1.

Verify that the file exists

2.

If the file exists, upload it. Otherwise, skip to the next piece of code. The script will repeat this subroutine for each source.

When the script ends, all uploaded files will be removed with a batch procedure. Which option should the data architect use to meet these requirements?

A. FilePath, IF, THEN, Drop

B. FileSize, IF, THEN, END IF

C. FilePath, FOR EACH, Peek, Drop

D. FileExists, FOR EACH, IF

Correct Answer: D

QUESTION 11

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 dater 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 12

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