

Module 1 Quiz

TOTAL POINTS 10

1. Select the jobs below that may use SQL in their work (select all that apply).

1 point

- ☒ Data Scientist
- ☒ Data Analyst
- ☒ QA Engineer
- ☒ Backend Developer
- ☒ DBA

2. How does a data scientist and DBA differ in how they use SQL?

1 point

- ☐ Data scientists don't write complex queries.
- ☒ DBAs manage the database for other users.
- ☐ DBA's are the only ones who merge datasets together.
- ☐ Data scientists only query the database and don't create tables.

3. Which of the following statements are true of Entity Relationship (ER) Diagrams?

1 point

- ☐ They only represent entities in the diagram.
- ☒ They are usually a representation of a business process.
- ☒ They identify the Primary Keys
- ☐ They speed up your querying time.
- ☒ They usually are represented in a visual format.
- ☒ They show you the relationships between tables.

4. Select the query below that will retrieve all columns from the customers table.

1 point

☐

```
1 SELECT
2 FirstName
3 ,LastName
4 ,Address
5 ,City
6 ,State
7 ,ZipCode
8 ,PhoneNumber
9 FROM customers
```

☐

```
1 SELECT (*) FROM customers
```

☒

```
1 SELECT * FROM customers
```

☐

```
1 RETRIEVE * FROM customers
```

5. Select the query that will retrieve **only** the Customer First Name, Last Name, and Company.

1 point

☐

```
1 SELECT * FROM customers
```

☐

```
1 SELECT
2 FirstName
3 ,LastName
4 Company
5 FROM customers
6
```



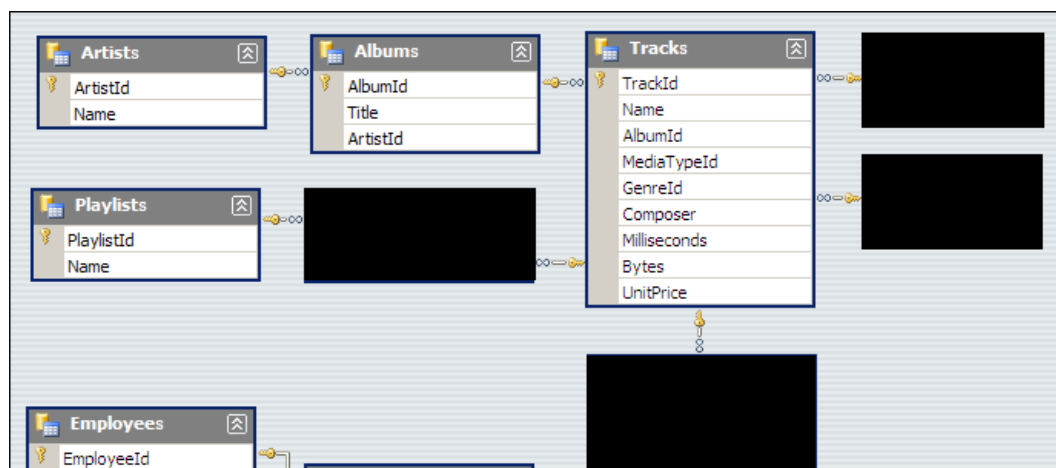
```
1 SELECT
2 FirstName
3 ,LastName
4 ,Company
5 FROM customers
6
```

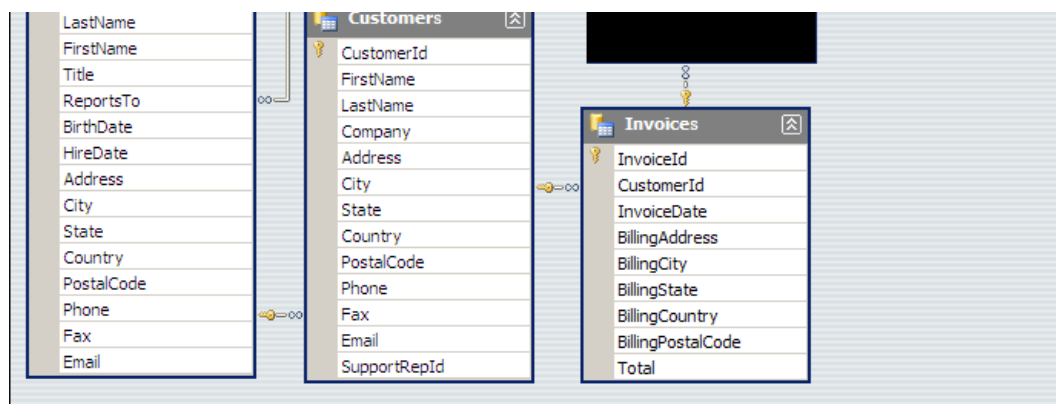


```
1 SELECT
2 FirstName
3 LastName
4 Company
5 FROM customers
6
```

6. The ER diagram below is depicting what kind of relationship between the **EMPLOYEES** and **CUSTOMERS** tables?

1 point

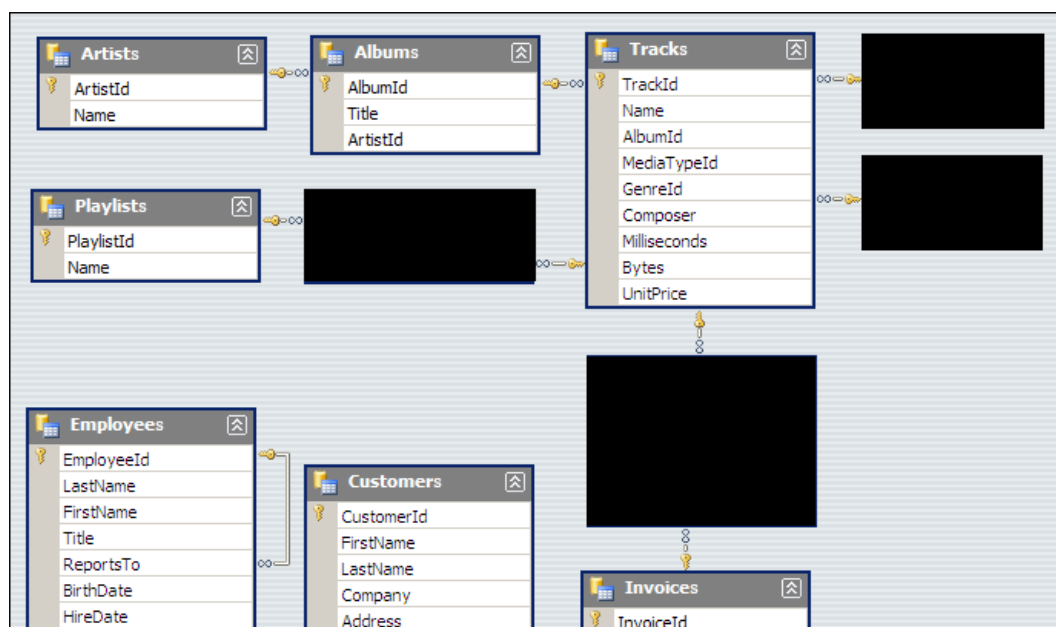


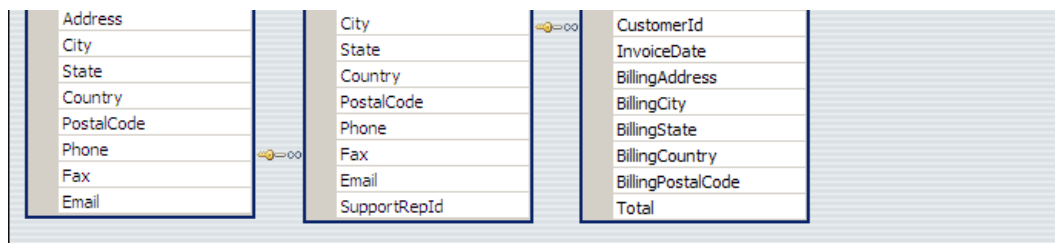


- ☐ One-to-one
☒ One-to-many
☐ Many-to-one
☐ Many-to-many

7. The data model depicted in the ER diagram below could be described as a _____.

1 point





- ☒ Relational Model
- ☐ Transactional Model
- ☐ Star Schema

8. When using the "CREATE TABLE" command and creating new columns for that table, which of the following statements is true?

1 point

- ☐ You can create the table and then assign data types later
- ☐ You must insert data into all the columns while creating the table
- ☒ You must assign a data type to each column

9. Look at the values in the two columns below. Based on the values in each column, which column could potentially be used as a primary key?

1 point

Column 1	Column 2
5	2
6	4
1	5
2	5
34	32
8	6
9	4

- ☒ Column 1
- ☐ Column 2
- ☐ Column 1 **OR** Column 2

10. In order to retrieve data from a table with SQL, every SQL statement must contain?

1 point

- ☐ FIND
 - ☐ CREATE
 - ☒ SELECT
 - ☐ WHERE
-