

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

Ans:-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

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

Ans:-DBAs manage the database for other users.

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

1 point

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

Ans:-

They show you the relationships between tables.

They usually are represented in a visual format.

They identify the Primary Keys

They are usually a representation of a business process.

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
```

Ans- SELECT * FROM customers;

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

1 point

- ☐

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

```
1 SELECT * FROM customers
```
- ☐

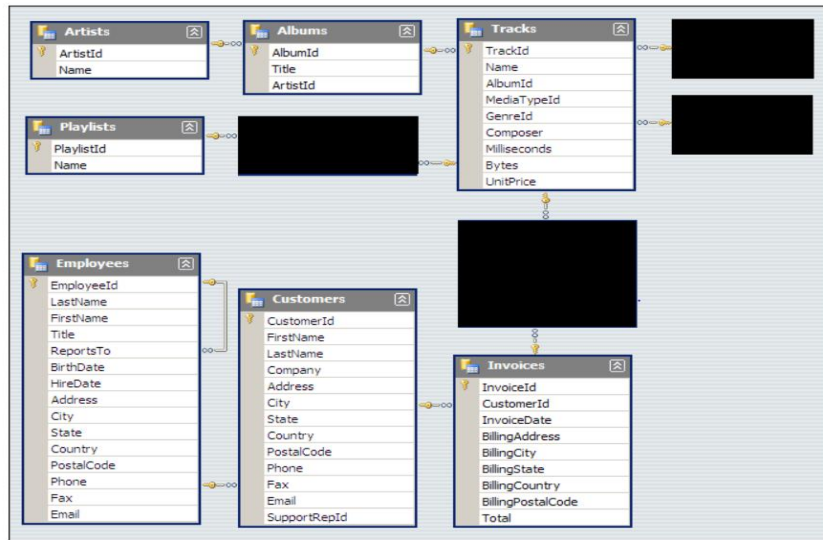
```
1 SELECT
2 FirstName
3 LastName
4 Company
5 FROM customers
6
```
- ☐

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

Ans:-
SELECT
FirstName
,LastName
,Company
FROM customers

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

1 point

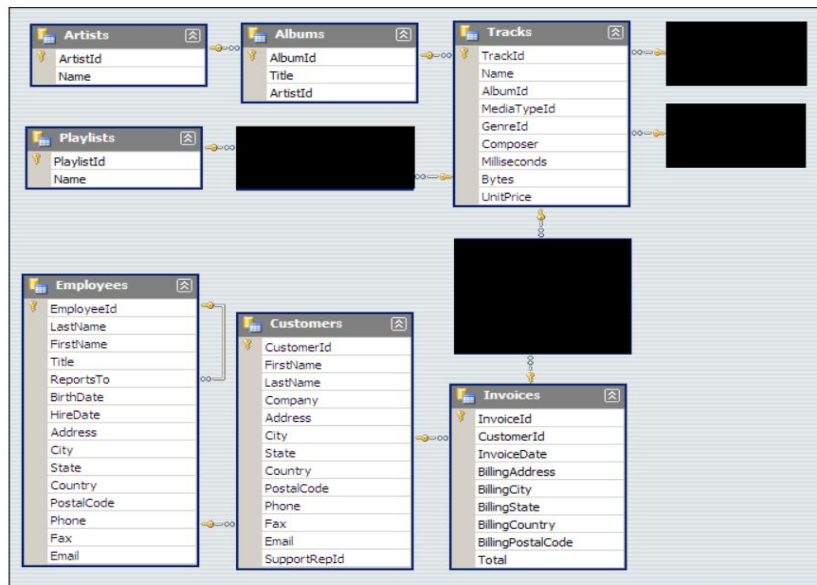


- ☐ One-to-one
- ☐ One-to-many
- ☐ Many-to-one
- ☐ Many-to-many

Ans:-One-to-many

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

1 point



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

Ans:-Relational Model

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

Ans:-you must assign a data 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

Ans:-column1

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

1 point

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

Ans:-Select