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Module 1 Quiz

Quiz, 10 questions

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1.

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

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

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2.

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

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

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3.

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

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

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4.

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

- ☒

1   SELECT (\*) FROM customers



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1 SELECT

2   FirstName

3   ,LastName

4   ,Address

5   ,City

6   ,State

7   ,ZipCode

8   ,PhoneNumber

9   FROM customers

☐

1   RETRIEVE \* FROM customers

☐

1   SELECT \* FROM customers

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

☐

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 \* FROM customers

☐

1   SELECT

2   FirstName

3   LastName

4   Company

5   FROM customers

6

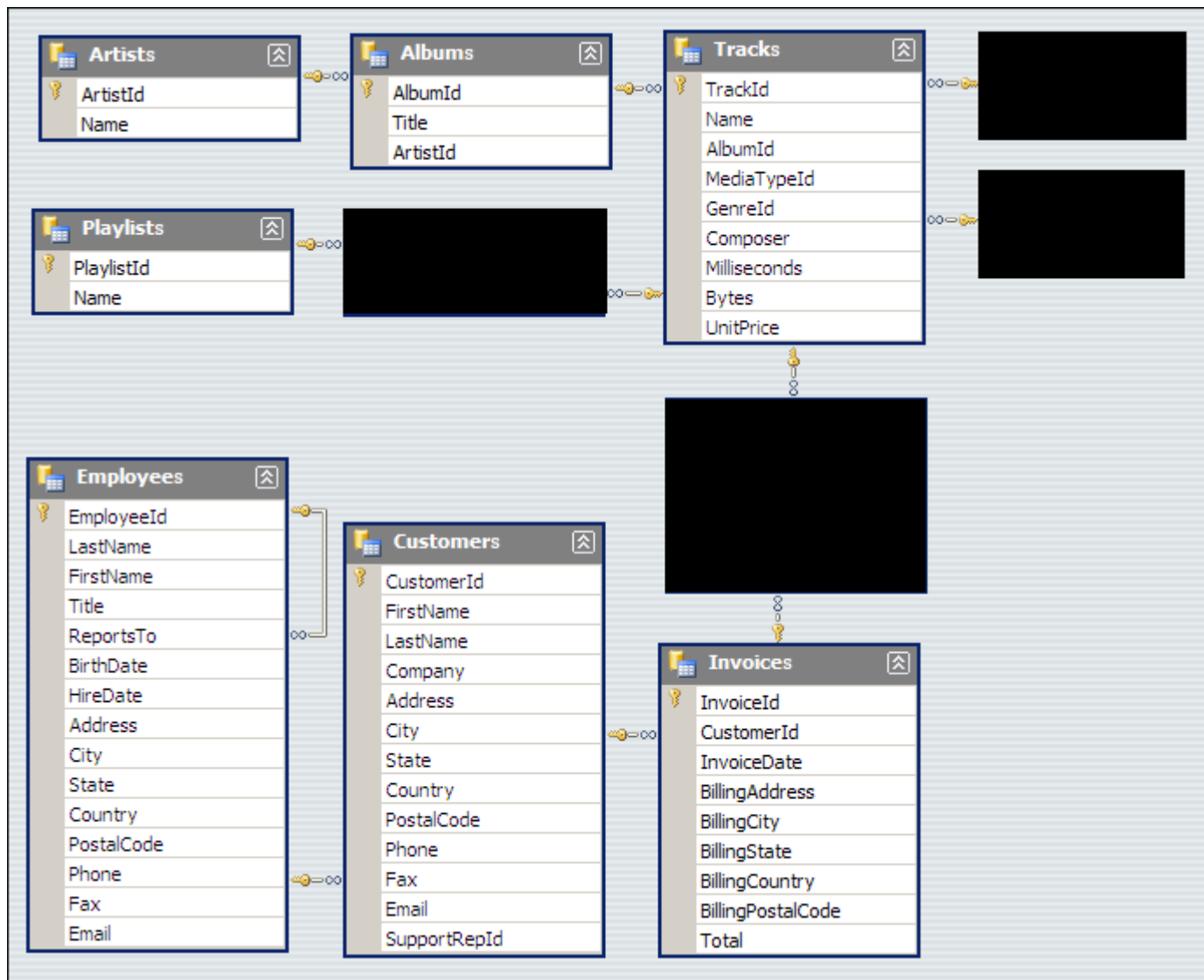
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6.



## Module 1 Quiz

The ER diagram below is depicting what kind of relationship between the **EMPLOYEES** and **CUSTOMERS** tables?  
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- ☐ One-to-one
- ☒ One-to-many
- ☐ Many-to-one
- ☐ Many-to-many

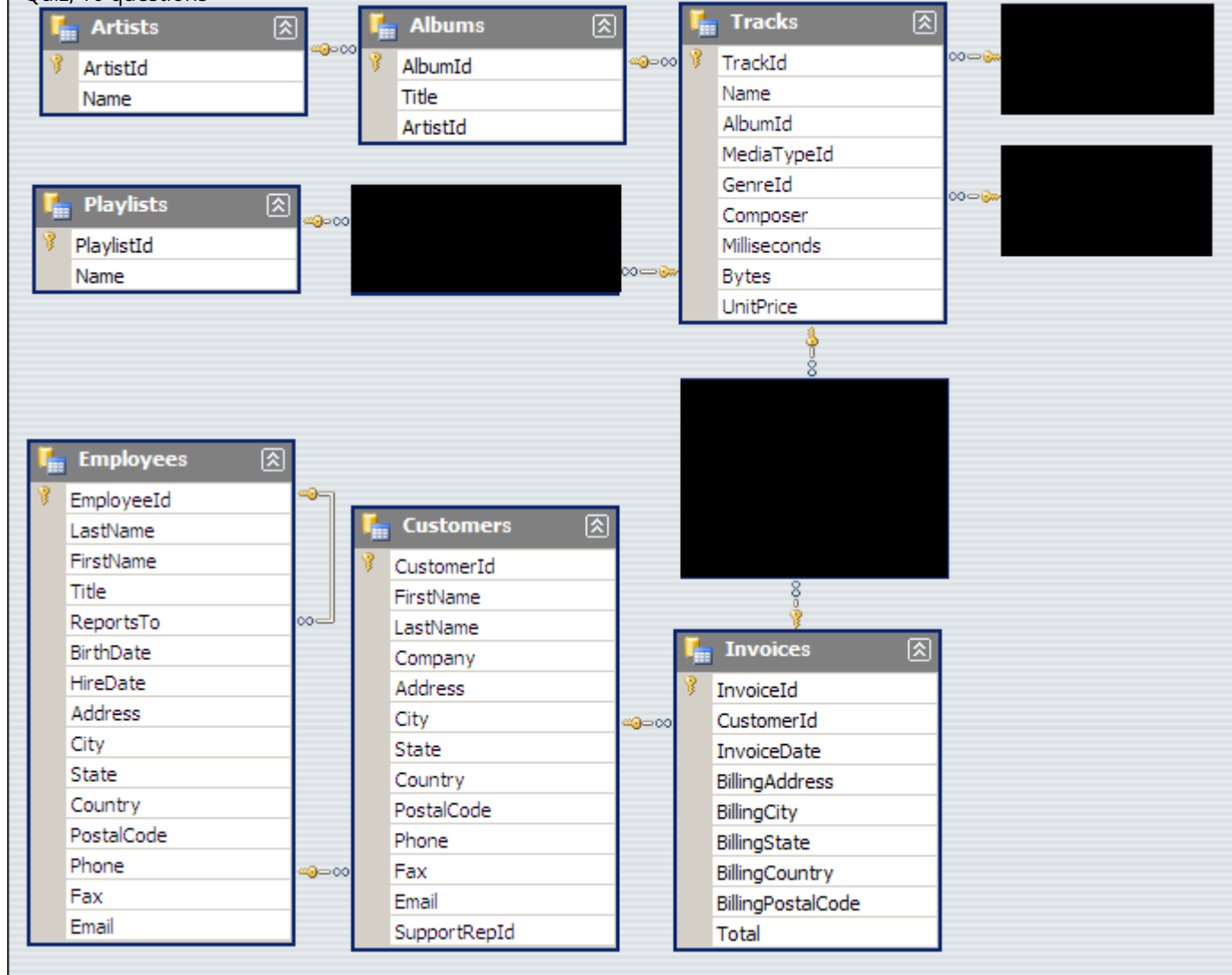
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7.

The data model depicted in the ER diagram below could be described as a \_\_\_\_\_.

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

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

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

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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?

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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

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10.

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

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

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