Module 1 Quiz

Quiz, 10 questions

✔ **Congratulations! You passed!**

<table><tr><td>Next Item</td></tr></table>

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1.

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

☐ Data Scientist

Correct

See the video entitled, "What is SQL Anyway?" for more information.

☐ Backend Developer

Correct

See the video entitled, "What is SQL Anyway?" for more information.

☐ DBA

Correct

See the video entitled, "What is SQL Anyway?" for more information.

☐ Data Analyst

Correct

See the video entitled, "What is SQL Anyway?" for more information.

☐ QA Engineer

Correct

See the video entitled, "What is SQL Anyway?" for more information.

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

○ Data scientists don't write complex queries.

◉ DBAs manage the database for other users.

▲

Correct
See the video entitled, "What is SQL Anyway?" for more information.

○ Data scientists only query the database and don't create tables.

○ 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 are usually a representation of a business process.

▲

Correct
See the video entitled, "Data Models, Part 2: The Evolution of Data Models" for more information.

☑ They show you the relationships between tables.

▲

Correct
See the video entitled, "Data Models, Part 2: The Evolution of Data Models" for more information.

☑ They speed up your querying time.

▲

Un-selected is correct

☑ They usually are represented in a visual format.

▲

Correct
See the video entitled, "Data Models, Part 2: The Evolution of Data Models" for more information.

☑ They only represent entities in the diagram.

▲

Un-selected is correct

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They identify the Primary Keys

Correct

See the video entitled, "Data Models, Part 2: The Evolution of Data Models" for more information.

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4.

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

○
```
1   RETRIEVE * FROM customers
```

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

○
```
1   SELECT * FROM customers
```

Correct

See the video entitled, "Retrieving Data with a Select Statement" for more information.

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

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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   |
```

▲

Correct

See the video entitled, "Retrieving Data with a Select Statement" for more information.

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

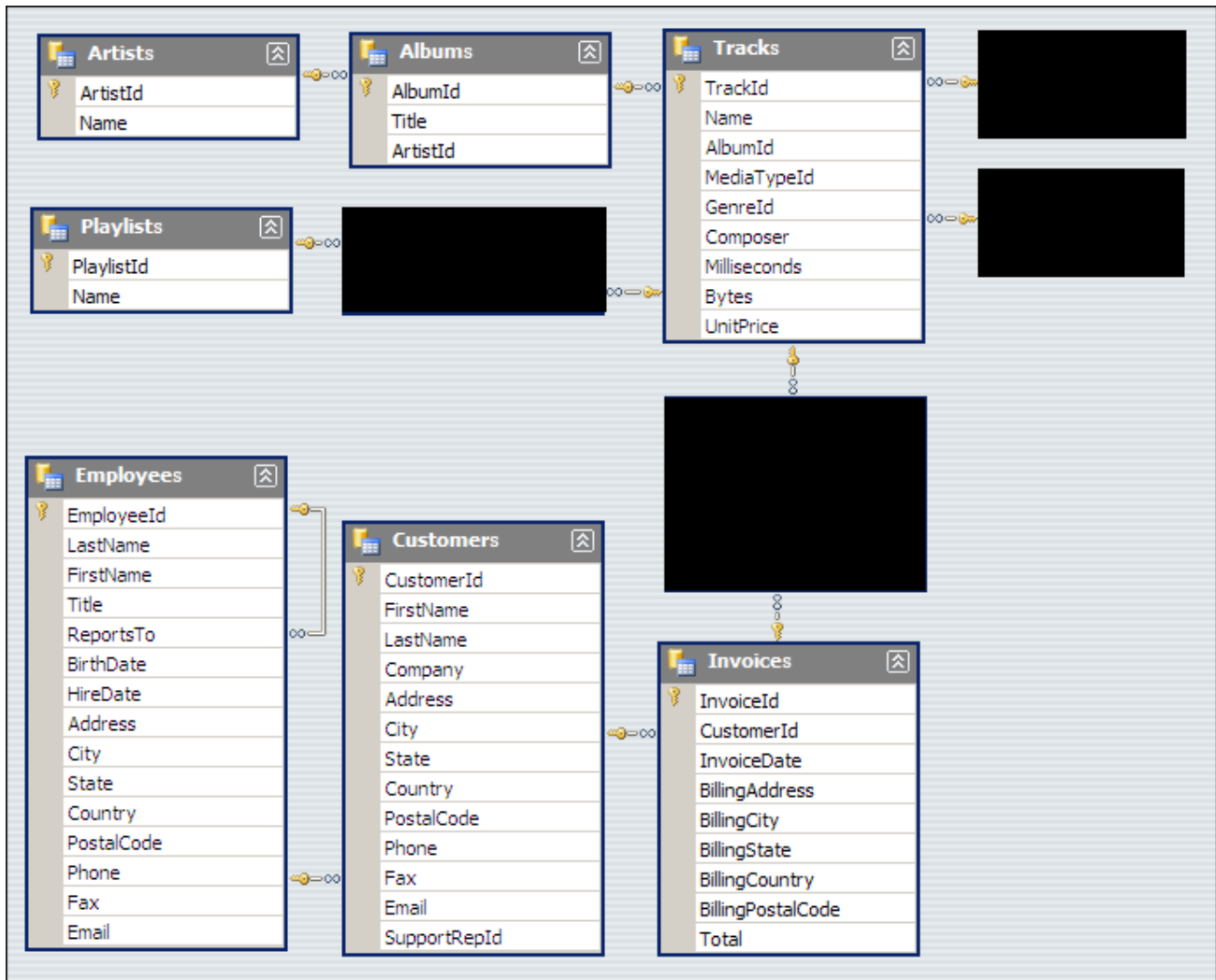◯
```
1   SELECT * FROM customers|
```

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

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6.

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

   ○ One-to-one

   ◉ One-to-many

▲

Correct

See the video entitled, "Data Models, Part 3: Relational vs. Transactional Models" for more information.

   ○ Many-to-one

   ○ Many-to-many

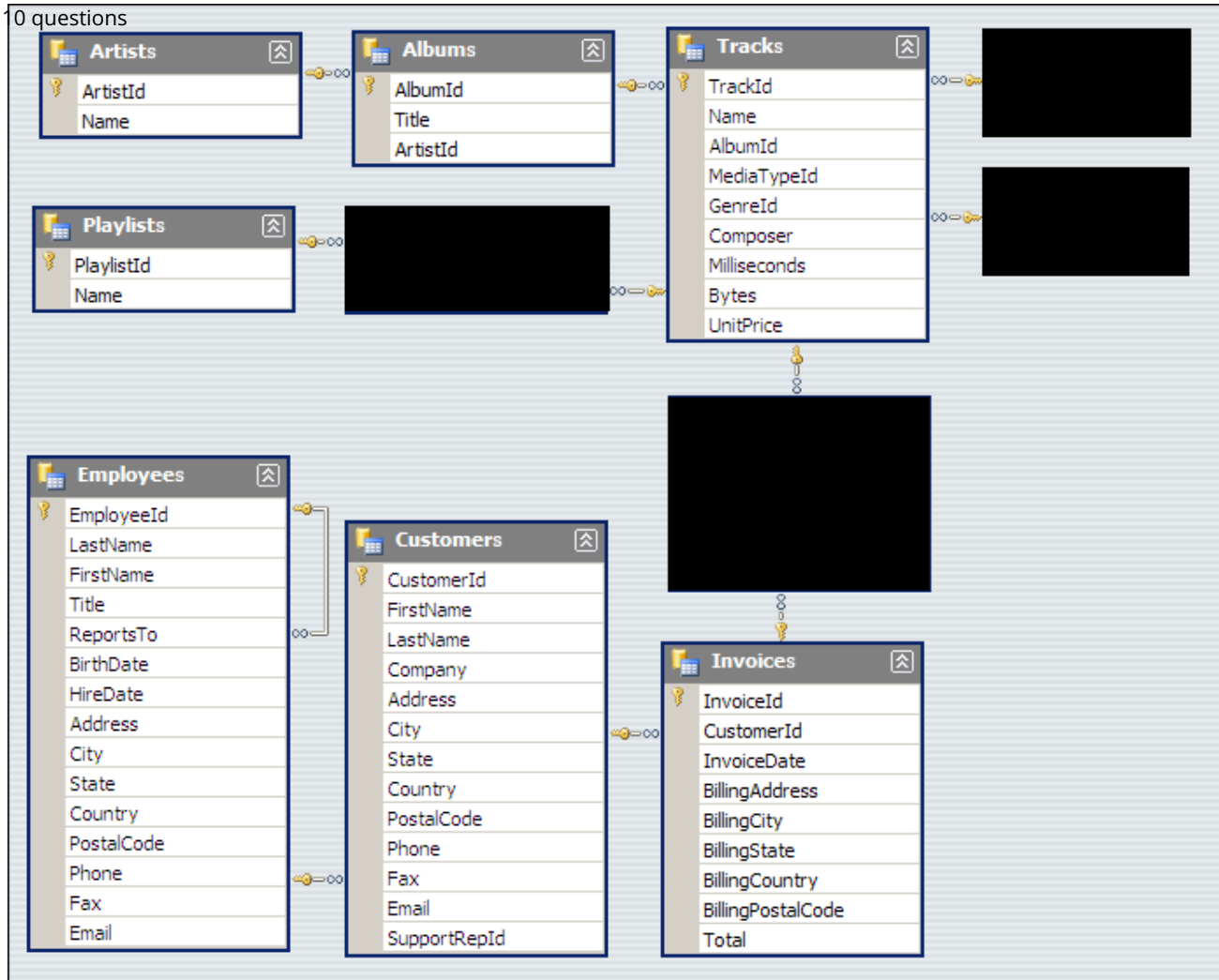✔   1 / 1
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7.

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

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○ Star Schema

○ Transactional Model

◉ Relational Model

▲

Correct

See the video entitled, "Data Models, Part 3: Relational vs. Transactional Models" for more information.

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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 insert data into all the columns while creating the table

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○ You can create the table and then assign data types later

○ You must assign a data type to each column

▲

Correct
See the video entitled, "Creating Tables" for more information.

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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?

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

○ Column 1

▲

Correct
See the video entitled, "Creating Tables" for more information.

○ 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

○ FIND

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SELECT

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Correct

See the video entitled, "Retrieving Data with a Select Statement" for more information.

○ WHERE   8/8