

Knowledge check

3 minutes

Choose the best response for each of the questions below. Then select **Check your answers**.

1. Which one of the following statements is a characteristic of a relational database?

☐ All columns in a table must be of the same data type

☒ A row in a table represents a single instance of an entity

✓ That's correct. Each row in a table represents an instance of an entity.

☐ Rows in the same table can contain different columns

2. Which SQL statement is used to query tables and return data?

☐ QUERY

☐ READ

☒ SELECT

✓ That's correct. Use the **SELECT** statement to query one or more tables and return data.

3. What is an index?

☒ A structure that enables queries to locate rows in a table quickly

✓ That's correct. Indexes improve query performance by locating rows with indexed column values.

☐ A virtual table based on the results of a query

☐ A pre-defined SQL statement that modifies data

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How are we doing? ☆ ☆ ☆ ☆ ☆