

Introduction to SQL

Let's do a quick test! You must answer at least 7 questions correctly to pass this quiz.

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1. Which of the following statements are true about relational databases and SQLite?

Choose as many answers as you see fit.

- ☒ Referencing one table's primary key in another table lets you model relationships between tables. ✔ Correct!
- ☐ A SQLite database consists of columns, which consist of tables and rows.
- ☐ Every data table must have at least one foreign key.
- ☒ Rows contain the individual items in the database. ✔ Correct!

2. It is optional to end a SQL statement with a semicolon.

- ☐ True
- ☒ False ✔ Correct!

3. If you want to calculate the sum of all values for a database column, what do you use?

- ☒ Aggregate function ✔ Correct!
- ☐ WHERE clause


☐ `DISTINCT` keyword

☐ `LIMIT` clause

4. Which `SELECT` statement returns the number of unique email addresses for messages in the spam folder?

☐ `SELECT COUNT(DISTINCT folder) FROM email WHERE spam != sender;`

☐ `SELECT DISTINCT COUNT(sender) FROM email WHERE folder = 'spam';`

☒ `SELECT COUNT(DISTINCT sender) FROM email WHERE folder = 'spam';`  Correct!

☐ `SELECT DISTINCT COUNT('spam') FROM email WHERE sender = folder;`

5. The SQL statement `SELECT * FROM contacts WHERE name LIKE '%Milton'` returns all rows where the value of the name column begins with Milton.


☐ True

☒ False  Correct!


6. Which of the following statements are true about `GROUP BY` and `ORDER BY`?

Choose as many answers as you see fit.

☐ The `ORDER BY` clause comes before the `GROUP BY` clause.

☒ In an `ORDER BY` clause, descending order is the default.  Correct!

☐ If a query contains a `GROUP BY` clause, it overrides the `ORDER BY` clause.

☒ `ORDER BY` and `GROUP BY` clauses can both accept multiple columns.  Correct!

7. The WHERE condition NOT read = false and the WHERE condition read != true are equivalent.

☐ True

☒ False ☒ Correct!

8. The LIMIT clause LIMIT 30 SKIP 60 returns:

☐ 60 rows

☐ Rows 31 through 60

☒ Rows 61 through 90 ☒ Correct!

☐ 90 rows

9. An UPDATE statement uses a ___ clause to assign values for columns.

☐ WHERE

☒ SET ☒ Correct!

☐ ASSIGN

☐ LIKE

10. UPDATE and DELETE statements can include a WHERE clause and can affect multiple rows.

☒ True ☒ Correct!

☐ False

Results

You scored **10 out of 10**. Congratulations! You have passed this quiz.

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