

Single-Table SQL

TOTAL POINTS 11

1. Structured Query Language (SQL) is used to (check all that apply)

1 point

☐ Check Python code for errors

☒ Create a table

☒ Insert data

☒ Delete data

2. Which of these is the right syntax to make a new table?

1 point

☐ MAKE DATASET people;

☐ MAKE people;

☐ CREATE people;

☒ CREATE TABLE people;

3. Which SQL command is used to insert a new row into a table?

1 point

☐ INSERT ROW

☐ ADD ROW

☐ INSERT AFTER

☒ INSERT INTO

4. Which command is used to retrieve all records from a table?

1 point

- ☐ RETRIEVE all FROM User
- ☒ SELECT * FROM Users
- ☐ SELECT all FROM Users
- ☐ RETRIEVE * FROM Users

5. Which keyword will cause the results of the query to be displayed in sorted order?

1 point

- ☐ GROUP BY
- ☒ ORDER BY
- ☐ WHERE
- ☐ None of these

6. In database terminology, another word for table is

1 point

- ☐ field
- ☒ relation
- ☐ attribute
- ☐ row

7. In a typical online production environment, who has direct access to the production database?

1 point

- ☐ Project Manager
- ☐ UI/UX Designer
- ☒ Database Administrator
- ☐ Developer

8. Which of the following is the database software used in this class?

1 point

- ☐ SQL Server
- ☐ Postgres
- ☐ Oracle
- ☐ MySQL
- ☒ SQLite

9. What happens if a DELETE command is run on a table without a WHERE clause?

1 point

- ☐ The first row of the table will be deleted
- ☐ All the rows without a primary key will be deleted
- ☐ It is a syntax error
- ☒ All the rows in the table are deleted

10. Which of the following commands would update a column named "name" in a table named "Users"?

1 point

- ☐ UPDATE Users (name) VALUES ('new name') WHERE ...
- ☒ UPDATE Users SET name='new name' WHERE ...
- ☐ Users.name='new name' WHERE ...
- ☐ Users->name = 'new name' WHERE ...

11. What does this SQL command do?

1 point

```
1 SELECT COUNT(*) FROM Users
```

Hint: This is not from the lecture

- ☐ It adds a COUNT column to the Users table
 - ☒ It is a syntax error
 - ☐ It counts the rows in the table Users
 - ☐ It only retrieves the rows of Users if there are at least two rows
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