Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

Graded Quiz: Test your Project understanding

LATEST SUBMISSION GRADE
100%

1. Which type of constraint would be most likely to prevent a user from leaving a required field blank during data entry? — 1 / 1 point

- ○ Primary Key
- ○ Check
- ○ Default
- ◉ Not Null

Correct
Correct! The Not Null constraint prevents a user from leaving field blank. The user must key a value into the field in order for the row to be committed to the table.

2. An index added to any relational table will make data retrieval faster. — 1 / 1 point

- ○ True
- ◉ False

Correct
Correct! It's important to understand that an index can improve retrieval speed on a large table, but would provide no benefit to a small table.

3. It is more dangerous to modify the structure of a populated table versus an empty table. — 1 / 1 point

- ◉ True
- ○ False

Correct
Correct! Modifying the structure of a populated table can cause data loss or corruption.

4. Which of the following are examples of modifying a table's structure? — 1 / 1 point

- ☐ Adding a row to the table.
- ☑ Add a column.

Correct
Correct! Adding a column to a table changes its design and structure.

- ☑ Changing the data type of a column.

Correct
Correct! Changing a column's data type (from an Integer to a Char, for example) changes its design and structure.

- [x] Adding a primary key constraint.

Correct
Correct! Adding a primary key to a table changes its design and structure.

5. When populating a table by importing from a CSV file, what must be true of the CSV file? 1 / 1 point

- [ ] Since the names of the fields are included, fields can be in any order on each row of the CSV file.
- [ ] Each value in the CSV file must be surrounded by quotes.
- [x] The values must be separated by commas.

Correct
Correct! In fact, "CSV" stands for comma-separated value".

- [x] The data types in the CSV file must match the corresponding data types in the table.

Correct
Correct! If the second field in the table has an integer data type, then the second value in each row of the CSV file must be a number.

6. What is a trigger? 1 / 1 point

- ( ) It's a constraint that causes the DBMS to check to be sure the user entered a correct value into a field.
- (•) It's a feature added to a table to cause an action to automatically happen based on another action.
- ( ) It is a feature that can be added to a table to generate another smaller table of values that can be quickly searched.
- ( ) It is a constraint added to a field to trigger a default value.

Correct
Correct! For example, you can create a trigger to update a field in one table if that field is updated in another table.

7. Select the true statements in regard to SQL. 1 / 1 point

- [x] SQL is generated behind the scenes by the GUI in SQLiteStudio.

Correct
Correct! Each time you create a table in SQLiteStudio, the DBMS creates the SQL code in the background and runs it for you.

- [ ] SQL can be used to create relational tables, but data must be added using a GUI.
- [x] SQL stands for "Structured Query Language".

Correct
That's correct! SQL is an abbreviation for Structured Query Language, and is sometimes pronounced "sequel".

- [ ] SQL is the language of all databases.