SQL Basics Project

Contents

Time required: 60 minutes

- Follow all directions carefully and accurately.

- Think of the directions as minimum requirements.

Time for a project to put everything we have learned about SQL in one place.

Install SQLite DB Browser for SQLite

We are going to use the SQLite DB Browser for our project.

1. Go to https://sqlitebrowser.org

2. Go to the **Download** tab.

3. Download the **Windows PortableApp → DB Browser for SQLite - PortableApp**

4. Double Click the installation file. Click **Next**.

5. Click **Install**. Click **Finish**.

6. You will find a new folder: **SQLiteDatabaseBrowserPortable**

7. This folder can be moved anywhere, the program will work just fine.

8. In the folder you will find **SQLiteDatabaseBrowserPortable.exe**

9. Double Click the file. Click **OK** on the warning if there is one.

Create the Database

1. Double Click **SQLiteDatabaseBrowserPortable.exe**

2. Click **New Database.**

3. Filename: **store.db** → Click **Save.**

4. **Edit table definition** will appear → Click **Cancel.**

5. Go to the **Execute SQL** tab.

6. Enter your SQL code here to create and test your database.

7. Use two dashes **--** for single line comments. You will want to drop the table with each run, or you will get errors.

```
-- Drop the product table as you are testing your SQL script.
DROP TABLE IF EXISTS product;
-- The COMMIT command should be at the end of your scipt
-- COMMIT writes your changes to the database
COMMIT
```

Project Requirements

- Create your own store!

- Your store should sell one type of thing, like clothing or bikes, whatever you want your store to specialize in.

- Create a table to store information about the items in your store.

- A least 5 columns for the kind of data you think you'd need.

- You should sell at least 10 items

- Use select statements

  o Display all records.

  o Order your items by price and show at least one statistic about the items.

  o Display all products that have less than a quantity of 10 items.

Assignment Submission

1. Attach the sql code for the project. Save the file with an sql extension.

2. Attach a screenshot showing the successful completion of the project in the SQLite Database Browser.

3. Submit in Blackboard.