Music Festival database

These instructions cover three options for creating a copy of the database. You can download the entire sample database, including test data, here:

https://cdn.adacomputerscience.org/ada/example_databases/music_festival.sqlite

The database file is named **music_festival.sqlite.**

1. DB Browser for SQLite	This is the software that we use to create the databases. The software is open source and completely free. There are versions for Windows, macOS and most versions of Linux and Unix. https://sqlitebrowser.org
2. SQLite Online	This is a good browser based option if you cannot (or are not allowed to) download and install software onto your computer system. https://sqliteonline.com
3. Using a different database system	If you want to use a different database system, you will be able to use our SQL statements to create the tables and to insert records into the tables. You will probably need to create an empty database first and then run the SQL. You can download all of the SQL statements here: https://github.com/isaacphysics/isaac-cdn/blob/master/ada/example_databases/music_festival.txt

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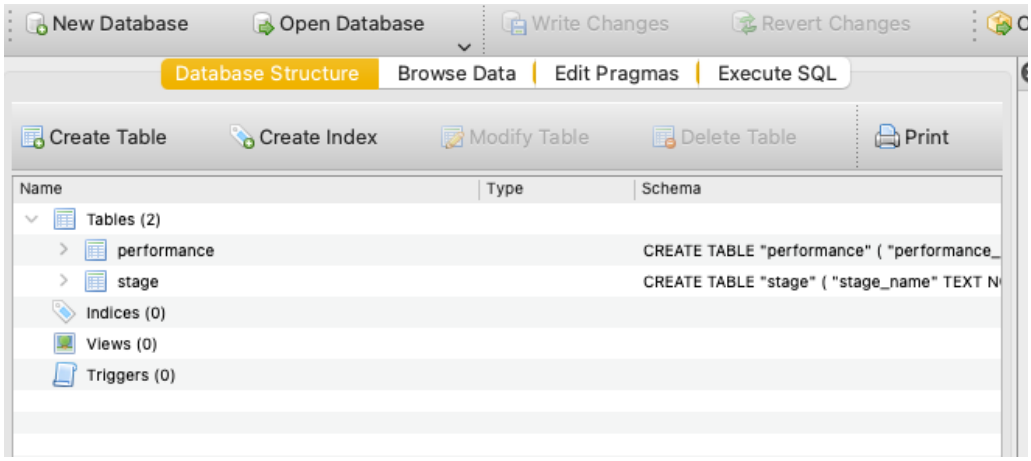
Option 1 - Using DB Browser for SQLite

- DB Browser for SQLite is free (and quite easy) to use. It can be downloaded here: https://sqlitebrowser.org

- The software allows you to create and work with SQLite databases. You must download and install the correct version of the software for your computer system.

- Once you have installed the product, you can open the database. Select **File > Open Database** from the main menu and navigate to the file named **music_festival.sqlite** that you downloaded previously.

- In the **Database Structure** tab you will see a list of the database tables and the SQL statements that were used to create them:



- You can view the data in a table by selecting a table and choosing the **Browse Data** tab and selecting the table you want from the drop-down list.

- To run SQL statements against the database, choose the **Execute SQL** tab.

- Type your statement and **use the blue play button** to execute the statement against the database.

- The results will be displayed or you will see a message in the area below the SQL statement.

- You can save your SQL statements in a file, if you wish, using the **Save SQL file icon**.

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Option 2 - Using SQLite Online

- Open SQLite online and open the database using the menu option **File > Open DB**
- Navigate to and select the database file named **music_festival.sqlite** that you downloaded previously.
- You will see a list of the tables in the left side panel.
- Run your SQL statements by typing them into the large window and **use the green run button** to execute them against the database. You will see results under the SQL window.
- You can save any SQL statements into a text file using the **small save icon** at the top right of the window.

Opinion 3 - Using a different database system

- In a system of your choice, create a new database named **music_festival.db**
- Navigate to a window where you can run SQL.
- Copy and paste the CREATE TABLE statements (using the link on page 1) to create the tables. You run each statement one at a time or all at once.
- Copy and paste the INSERT statements to create the records within the tables. You run each statement a block at a time or all at once.

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