

Art studio database

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

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

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

| | |
|--------------------------------------|--|
| 1. DB Browser for SQLite | <p>This is the software that we used to run the SQL that is shown on the site. The software is open source and completely free. There are versions for Windows, MacOS and Linux.</p> <p>https://sqlitebrowser.org/</p> |
| 2. SQLite OnLine | <p>This is a good option if you cannot (or are not allowed to) download and install software onto your computer system.</p> <p>https://sqliteonline.com/</p> |
| 3. Using a different database system | <p>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.</p> <p>You will probably need to create an empty database first and then run the SQL.</p> <p>You can download all of the SQL statements here:</p> <p>https://github.com/raspberrypilearning/ada-code-samples/blob/main/databases/art_studio_sql.txt</p> |

Option 1 - Using DB Browser for SQLite

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- DB Browser for SQLite - C:\Users\Diane\Documents\Databases and SQL\art_studio.sqlite
- File Edit View Tools Help
- New Database Open Database Write Changes Revert Changes Open Project Save Project
- Database Structure Browse Data Edit Pragmas Execute SQL
- Create Table Create Index Modify Table Delete Table Print
- | Name | Type | Schema |
|-------------------|------|--|
| ▼ Tables (4) | | |
| > customer | | CREATE TABLE "customer" ("customer_id" INTEGER, "last_name" TEXT, ... |
| > painting | | CREATE TABLE "painting" ("painting_id" INTEGER, "painting_name" TEXT, ... |
| > sale | | CREATE TABLE "sale" ("painting_id" INTEGER, "print_number" INTEGER, ... |
| > sqlite_sequence | | CREATE TABLE sqlite_sequence(name,seq) |
| Indices (0) | | |
| Views (0) | | |
| Triggers (0) | | |

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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 **art_studio.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 **art_studio.db**
- Navigate to a window where you can run SQL.
- Navigate to the text file you downloaded earlier, or download it now from:
https://github.com/raspberrypilearning/ada-code-samples/blob/main/databases/art_studio_sql.txt
- Copy and paste the statements to create the tables. You can do these one at a time or all at once.
- Copy and paste the statements to create the records within the tables. You can do these a block at a time or all at once.

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