**Python SQLite Database - Exercises, Practice, Solution**

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**Python SQLite Database [ 13 exercises with solution ]**

[*An editor is available at the bottom of the page to write and execute the scripts.*]

**1.** Write a Python program to create a SQLite database and connect with the database and print the version of the SQLite database. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-1.php)

**2.** Write a Python program to create a SQLite database connection to a database that resides in the memory. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-2.php)

**3.** Write a Python program to connect a database and create a SQLite table within the database.  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-3.php)

**4.** Write a Python program to list the tables of given SQLite database file. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-4.php)

**5.** Write a Python program to create a table and insert some records in that table. Finally selects all rows from the table and display the records. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-5.php)

**6.** Write a Python program to insert a list of records into a given SQLite table. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-6.php)

**7.** Write a Python program to insert values to a table from user input. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-7.php)

**8.** Write a Python program to count the number of rows of a given SQLite table. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-8.php)

**9.** Write a Python program to update a specific column value of a given table and select all rows before and after updating the said table. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-9.php)

**10.** Write a Python program to update all the values of a specific column of a given SQLite table. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-10.php)

**11.** Write a Python program to delete a specific row from a given SQLite table. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-11.php)

**12.** Write a Python program to alter a given SQLite table. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-12.php)

**13.** Write a Python program to create a backup of a SQLite database. [Go to the editor](https://www.w3resource.com/python-exercises/sqlite/index.php#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/sqlite/python-sqlite-exercise-13.php)