

Python - Work with SQLite database

Deleting data from tables

- Level: Basic

We will illustrate how Python can be used within a MD document to work with SQLite databases. First we will use the sqlite3 library to establish a connection to a database with the given name and after that we will delete some of the table data and print the remaining data.

Delete table data

First, we establish a connection to the SQLite Database, to delete rows which Number value is 24 from the table called 'Software' and after that we will print the remaining table data.

```
DatVal:= "sqlite_database.db"
```

```
Connection Parameters
```

Code

```
1 #py
2 import sqlite3
3
4 # Connecting to the server
5 conn = sqlite3.connect('sqlite_database.db')
6 # Preparing a cursor object
7 cursorObj=conn.cursor()
8
9 # Deleting the query and displaying the table data
10 cursorObj.execute("DELETE FROM Software WHERE Number = 24")
11
12 # Selecting the query and displaying the table data
13 cursorObj.execute("SELECT * FROM Software")
14 records = cursorObj.fetchall()
15 for row in records:
16     print(row)
17
18 # Disconnecting from the server
19 conn.close()
20 ###
```

Output

```
C:\WINDOWS\system32\cmd.exe
C:\Users\Milos\Desktop\Python Examples\py_db4>python.exe
('NewSoftware', 157)
('NewSoftware', 157)
('ThirdSoftware', 624)
('MatDeck', 1)
('OtherSoftwares', 999)
C:\Users\Milos\Desktop\Python Examples\py_db4>PAUSE
Press any key to continue . . .
```

