Python - Work with SQLite database
Updating table data

- Level: Basic

We illustrate how Python can be used within MatDeck to work with SQLite databases.For beginners to avoid the frivolousness of installation,SQLite is installed with MatDeck. First we will use the sqlite3 library to establish a connection to the database with a given name and after that we will update some of the table data and print all of the table.

Updating the table data

The task is to establish a connection to the SQLite Database, update the Number value on rows which have the Name value as ThirdSoftware from the table called 'Software' and after that print the table data.

$$DatVal := \text{"matdeck"}$$

Connection Parameters

Code

```py
#py
import sqlite3

# Connecting to the server
conn = sqlite3.connect('sqlite_database.db')
# Preparing a cursor object
cursorObj=conn.cursor()

# Updating the query and displaying the table data
cursorObj.execute("UPDATE Software SET Number = 628 WHERE Name = 'ThirdSoftware'")

# Selecting the query and displaying the table data
cursorObj.execute("SELECT * FROM Software")
records = cursorObj.fetchall()
for row in records:
        print(row)

# Disconnecting from the server
conn.close()
###
```

Output

```
C:\WINDOWS\system32\cmd.exe

C:\Users\Milos\Desktop\Python Examples\py_db7>python.exe
('NewSoftware', 157)
('NewSoftware', 157)
('ThirdSoftware', 628)
('MatDeck', 1)
('OtherSoftwares', 999)

C:\Users\Milos\Desktop\Python Examples\py_db7>PAUSE
Press any key to continue . . .
```