Python - Work with SQLite database
Create new table

- Level: Basic

In this example, we illustrate how Python can be used within MatDeck to work with SQLite databases.MatDeck is installed with SQLite databases to save time for users who want to practice and build their experience in the world of databases. First we will use the SQLite sqlite3 library to establish a connection to the database with a given name and after that we will create a new table and print a messages if its successful.

Create table using SQLite Library

The aim of the program below is to establish a connection to the SQLite Database, create a new table and print a message if successfully created..

DatVal:= "sqlite_database.db"   Connection Parameters

Code

```py
#py
import sqlite3

# Defining the function NewTable
# When we call the function NewTable() it will create a new table called
'Software'
def NewTable():

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

    # Creating the table Software which contains two columns:the Name and
    #the Number of data types, the text for string storing and the Number
    #of INTEGER data types.
    cursorObj.execute("CREATE TABLE Software (Name TEXT, Number
INTEGER);")
    print("Software Table is Created")
    return()

# Calling the NewTable() function
NewTable()
###
```

Output


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

C:\Users\Milos\Desktop\Python Examples\py_db3>python.exe
Software Table is Created

C:\Users\Milos\Desktop\Python Examples\py_db3>PAUSE
Press any key to continue . . .
```