

Python - Work with MySQL database

Update table data

- Level: Basic

In this example, we illustrate how Python can be used within MatDeck to work with MySQL database. First we will use MySQL Connector/Python to establish a connection to database with given name and after that we will update some table data and print all table.

Update table data

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

```
UserVal:= "test_user"
```

```
PassVal:= "Test123"
```

```
HostVal:= "localhost"
```

```
DatVal:= "matdeck"
```

```
DVal:= "mysql"
```

```
PortVal:= 3306
```

Connection Parameters

Code

```
1 #py
2 import mysql.connector as SQLCON
3
4 # Connecting to the server
5 conn = SQLCON.connect(user = 'test_user',
6                       password = 'Test123',
7                       host = 'localhost',
8                       database= 'matdeck')
9
10 # Preparing a cursor object
11 cursorObj=conn.cursor()
12
13 # Update query and display table data
14 cursorObj.execute("UPDATE Software SET Number = 628 WHERE Name =
15 'ThirdSoftware'")
16
17 # Select query and display table data
18 cursorObj.execute("SELECT * FROM Software")
19 records = cursorObj.fetchall()
20 for row in records:
21     print(row)
22
23 # Disconnecting from the server
24 conn.close()
25 ###
```

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 . . .
```