Python - Work with MySQL database
Connect to MySQL database

- 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 and after that we will use connection.MySQLConnection() class to establish the connection.

In order to work with MySQL databases, it is necessary to install mysql-connector library. The easiest way to install is to use following command in command prompt: pip install mysql-connector

Connect to Database using MySQL Connector

The task is to establish the connection to MySQL Database with given name, and to print connection object as a proof.

UserVal:= "test_user"

PassVal:= "Test123"

HostVal:= "localhost"

DatabaseVal:= "world"

Connection Parameters

Code

```py
#py
import mysql.connector

# Connecting to the server
conn=mysql.connector.connect(user = UserVal,
                             password = PassVal,
                             host = HostVal,
                             database = DatabaseVal)

print(conn)

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

Output

MatDeck Console

`<mysql.connector.connection.MySQLConnection object at 0x08D957D0>`

Connect to Database using connection.MySQLConnection() Class

The task is to establish the connection to MySQL Database with given name, and to print connection object as a proof.

Code

```py
#py
from mysql.connector import connection

# Connecting to the server
conn = connection.MySQLConnection(user = UserVal,
                                  password = PassVal,
                                  host = HostVal,
                                  database = DatabaseVal)

print(conn)

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

Output

MatDeck Console

```
<mysql.connector.connection.MySQLConnection object at 0x097857D0>
<mysql.connector.connection.MySQLConnection object at 0x09785730>
```