Creating new databases

In this section of the tutorial, we will create the new database PythonDB.

Getting the list of existing databases

We can get the list of all the databases by using the following MySQL query.

> show databases;

```
In [1]:    import mysql.connector

           #Create the connection object
           myconn = mysql.connector.connect(host = "localhost", user = "root",passwd = "6174")

           #creating the cursor object
           cur = myconn.cursor()

           try:
               dbs = cur.execute("show databases")
           except:
               myconn.rollback()
           for x in cur:
               print(x)
           myconn.close()
```

```
('information_schema',)
('mysql',)
('performance_schema',)
('school_db',)
```

Creating the new database

The new database can be created by using the following SQL query.

> create database "database-name"

```
In [2]:    import mysql.connector

           #Create the connection object
           myconn = mysql.connector.connect(host = "localhost", user = "root",passwd = "6174")

           #creating the cursor object
           cur = myconn.cursor()

           try:
               #creating a new database
               cur.execute("create database PythonDB2")

               #getting the list of all the databases which will now include the new database PythonDB
               dbs = cur.execute("show databases")

           except:
               myconn.rollback()

           for x in cur:
                   print(x)

           myconn.close()
```

```
('information_schema',)
('mysql',)
('performance_schema',)
('pythondb2',)
('school_db',)
```