**python -m pip install mysql-connector**

>> Its command for connecting mysql to the python. As a result we can do any database task using python editor.

**import mysql.connector**

>> here we import mysql.connector. It’s a module for connecting mysql to python

**conn = mysql.mydb = mysql.connector.connect(user='root', password="",port=3306, host= 'localhost')**

**print(conn)**

**or**

**mydb = mysql.connector.connect(user='root', password="",port=3306, host= 'localhost')**

**>>** Above these code actually connect the mysql.

**N.B.** If we connect another database from mysql that are created before, then we can connect that database using this code >  **mydb = mysql.connector.connect(user='root', password="",port=3306, host= 'localhost', database = “ database name”)**

## creating an instance of 'cursor' class which is used to execute the 'SQL' statements in 'Python'

cursor = conn.cursor()

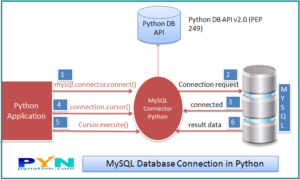
or

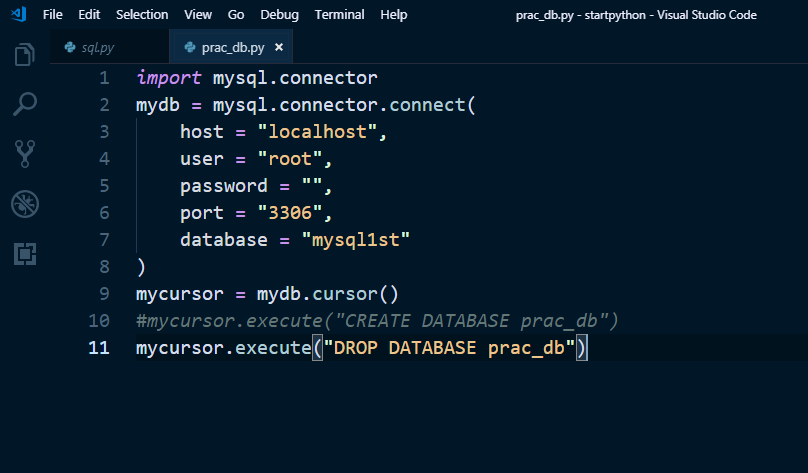
mycursor = mydb.cursor()

## creating a databse called 'datacamp'

## 'execute()' method is used to compile a 'SQL' statement

## below statement is used to create tha 'datacamp' database





From the above picture we create database name prac\_db.

In the line number 11 we delete this database.

*cursor.execute("CREATE TABLE customers (name VARCHAR(255), address VARCHAR(255))")#table create*

name = input("enter name: ")

address = input("enter address: ")

sql = cursor.execute("INSERT INTO customers(name,address)VALUES(%s,%s)",(name,address))

sql1 = cursor.execute("SELECT\*FROM customers")

myresult = cursor.fetchall()

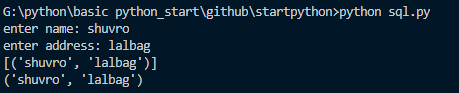
print(myresult)

*for* x in myresult:

print(x)

conn.commit()## to make final output we have to run the 'commit()' method of the database object

**output :**



## Now I will show another way to create a table and insert data in it.



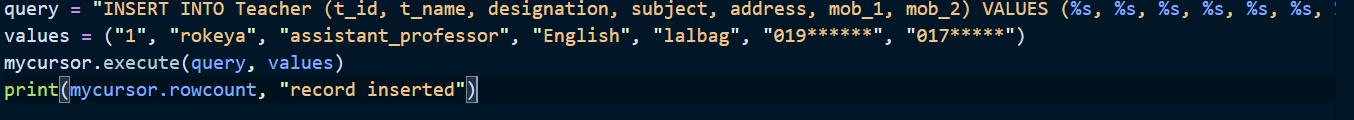
mycursor.execute("CREATE TABLE student(stu\_id int AUTO\_INCREMENT PRIMARY KEY,stu\_name varchar(255),batch varchar(50),semester varchar(50),years year,department VARCHAR(50),address VARCHAR(50))")

mycursor.execute("CREATE TABLE subject(sub\_id int AUTO\_INCREMENT PRIMARY KEY,sub\_name varchar(255),semester varchar(50),years year,t\_id INT)")

mycursor.execute("CREATE TABLE teacher\_attendance(dates DATE,t\_id INT)")

mycursor.execute("CREATE TABLE student\_attendance(dates DATE,stu\_id INT)")

## Insert data

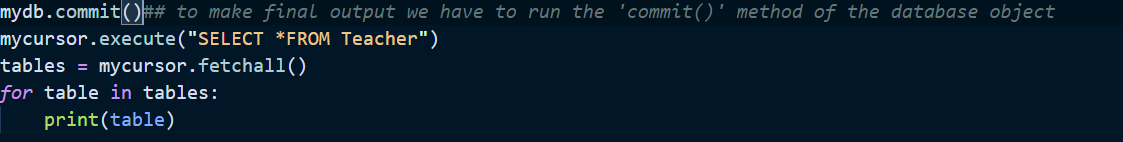


Here this code run but we will see no output. Because whole operation is not completed.

To complete the whole operation we have to write the following code or calling following function

## to make final output we have to run the 'commit()' method of the database object

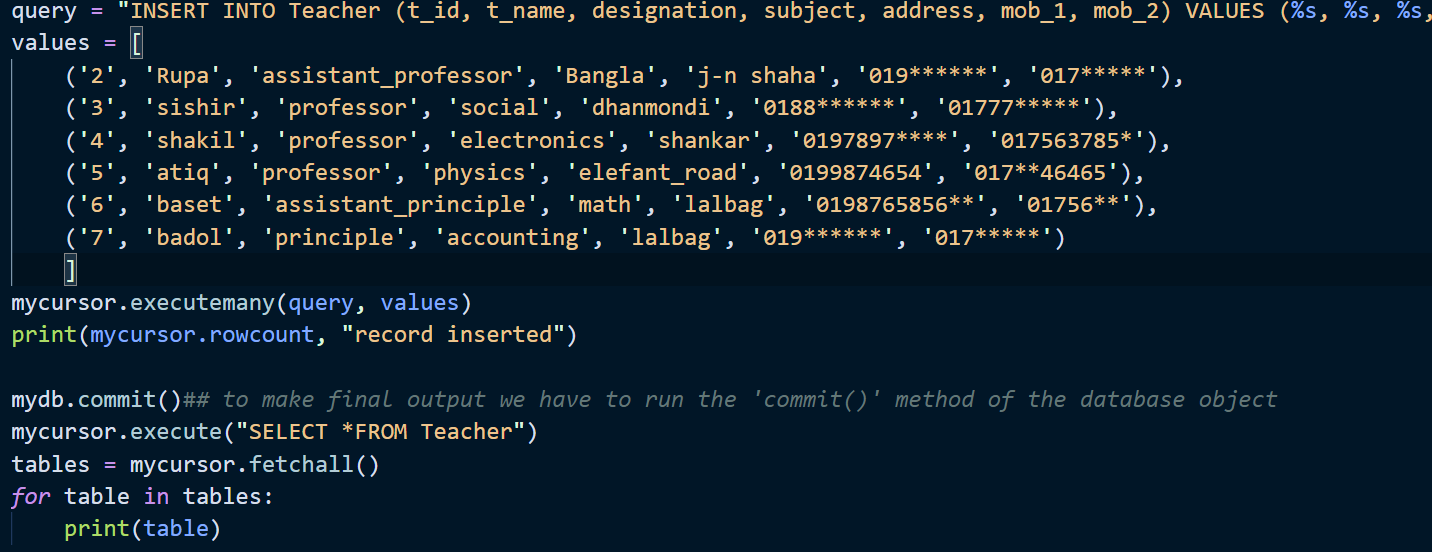
Mydb.commit()



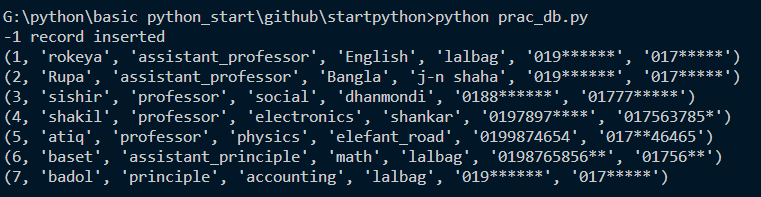
OUTPUT :



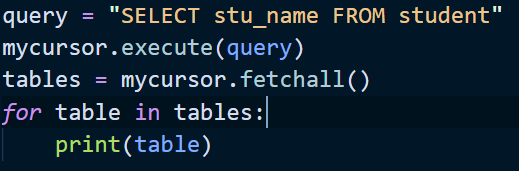
## INSERT multiple value by this way :



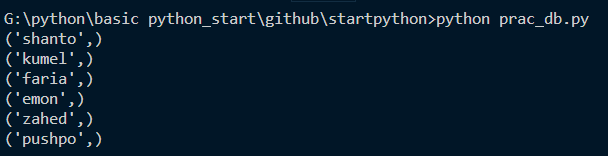
**OUTPUT :**

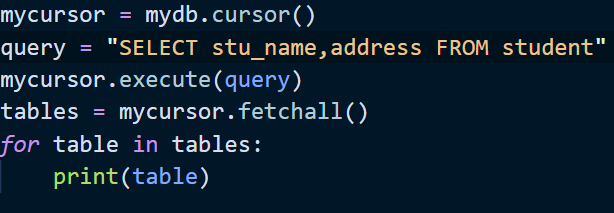


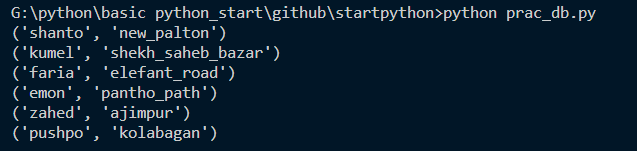
**Select operation :**

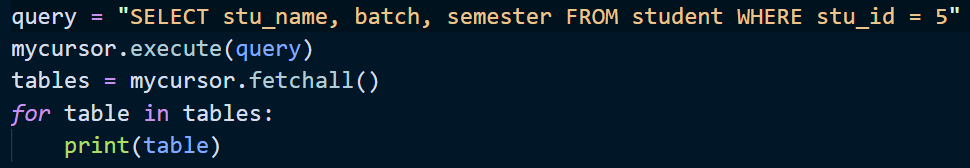


**OUTPUT :**

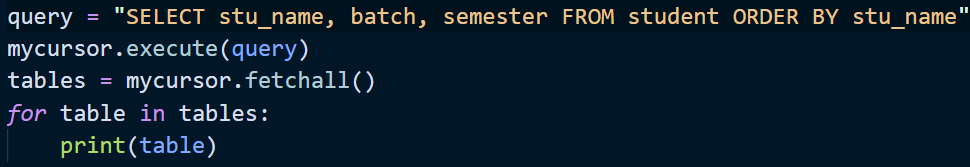


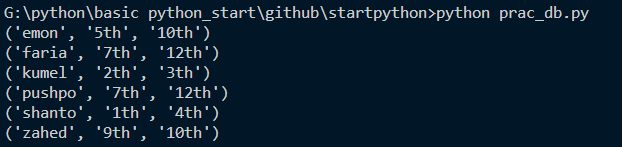


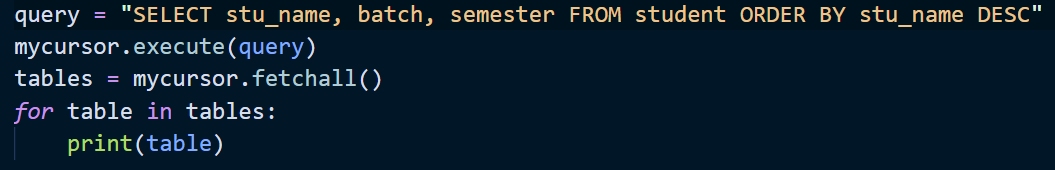


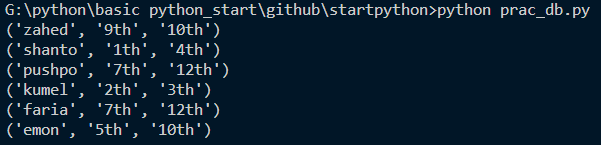












**DELETE OPERATION :**

**Join operation :**

