

MySQL

October 13, 2023

1 Connection

```
[1]: import mysql.connector
conn=mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    db="employee"

)
cur = conn.cursor()
```

2 Table Creation

```
[ ]: cur.execute("CREATE TABLE emp (e_id INT ,e_name VARCHAR(50),e_desig_
↳VARCHAR(50),e_sal INT,e_addr VARCHAR(90),e_phno INT)")
```

3 Insert Single Record

```
[ ]: sql = "INSERT INTO emp VALUES (1001, 'Anto', 'tester', 50000, 'Tuticorin',
↳'9548755375')"
cur.execute(sql)
conn.commit()
```

4 Insert Multiple Records

```
[33]: sql = "INSERT INTO emp (e_id, e_name, e_desig, e_sal, e_addr, e_phno) VALUES
↳(%, %, %, %, %, %)"
val = [(1002, 'Sharan', 'tester', 50000, 'Bangalore', '9548755375'),
(1003, 'Darun', 'developer', 70000, 'Chennai', '9543655375'),
(1004, 'Ajith', 'manager', 40000, 'Coimbatore', '958855375'),
```

```
(1005, 'Prakash', 'clerk', 110000, 'Mumbai', '952589375'),
(1006, 'Velan', 'security', 90000, 'Madurai', '9548755089'),
(1007, 'Krish', 'HR', 120000, 'Saudi', '9548755867'),
(1008, 'Haran', 'Designer', 890000, 'Trivandrum', '95487550968')]
```

```
cur.executemany(sql, val)
conn.commit()
```

5 Select Table

```
[11]: cur.execute("SELECT * FROM emp")
a= cur.fetchall()
for x in a:
    print(x)
```

```
(1001, 'Anto', 'tester', 50000, 'Tuticorin', 9548755375)
(1002, 'Sharan', 'tester', 50000, 'Bangalore', 9548755375)
(1003, 'Darun', 'developer', 70000, 'Chennai', 9543655375)
(1004, 'Ajith', 'manager', 40000, 'Coimabatore', 958855375)
(1005, 'Prakash', 'clerk', 110000, 'Mumbai', 952589375)
(1006, 'Velan', 'security', 90000, 'Madurai', 9548755089)
(1007, 'Krish', 'HR', 120000, 'Saudi', 9548755867)
(1008, 'Haran', 'Designer', 890000, 'Trivandrum', 95487550968)
```

6 Update Record

```
[4]: cur.execute("UPDATE emp SET e_desig='manager' where e_name='Sharan'")
conn.commit()
```

7 Order by

```
[5]: cur.execute("SELECT * FROM emp ORDER BY e_name")
a= cur.fetchall()
for x in a:
    print(x)
```

```
(1004, 'Ajith', 'manager', 40000, 'Coimabatore', 958855375)
(1001, 'Anto', 'tester', 50000, 'Tuticorin', 9548755375)
(1003, 'Darun', 'developer', 70000, 'Chennai', 9543655375)
(1008, 'Haran', 'Designer', 890000, 'Trivandrum', 95487550968)
(1007, 'Krish', 'HR', 120000, 'Saudi', 9548755867)
(1005, 'Prakash', 'clerk', 110000, 'Mumbai', 952589375)
```

```
(1002, 'Sharan', 'manager', 50000, 'Bangalore', 9548755375)
(1006, 'Velan', 'security', 90000, 'Madurai', 9548755089)
```

8 Delete record

```
[9]: cur.execute("DELETE FROM emp WHERE e_id='1006'")
     conn.commit()
```