

# Practical No 6

**Aim : Write A Program To Implement Various Database Action In MySQL Using Python**

## A. MySQL Database Connection in python

```
import mysql.connector
```

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="root"  
)
```

```
print(mydb)
```

```
= RESTART: C:\MyWork\CS-Sem-2\advancedPython\Practical Code\practical6\dbConnect.py  
<mysql.connector.connection cext.CMySQLConnection object at 0x00000297CF8D4890>
```

## B. Inserting Data In Database

```
import mysql.connector
```

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="root",  
    database = "Company"  
)
```

```
cursor = mydb.cursor()
```

```
cursor.execute("INSERT INTO Employee value( 9, 'John Doe', 105, 72000.00, 4)")  
cursor.execute("INSERT INTO Employee value( 10, 'Jane Doe', 105, 72000.00, 4)")  
cursor.execute("INSERT INTO Employee value( 11, 'abcd Doe', 105, 72000.00, 5)")
```

```
print(cursor.rowcount,"record(s)affected")  
mydb.commit()
```

	EmpID	Name	DeptID	Salary	ManagerID
▶	9	John Doe	105	72000.00	4
	10	Jane Doe	105	72000.00	4
	11	abcd Doe	105	72000.00	5
*	NULL	NULL	NULL	NULL	NULL

## C. Updating Data In Database

```
import mysql.connector
```

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="root",  
    database = "Company"  
)
```

```
cursor = mydb.cursor()
```

```
cursor.execute("update Employee set Name='Iron Man' where EmpID =11 ")
```

```
print(cursor.rowcount,"record(s)affected")
```

```
mydb.commit()
```

	EmpID	Name	DeptID	Salary	ManagerID
▶	9	John Doe	105	72000.00	4
	10	Jane Doe	105	72000.00	4
	11	Iron Man	105	72000.00	5
*	NULL	NULL	NULL	NULL	NULL

## C. Delete Data In Database

```
import mysql.connector
```

```
mydb = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="root",  
    database = "Company"  
)
```

```
cursor = mydb.cursor()
```

```
cursor.execute("delete from Employee where EmpID =11 ")
```

```
print(cursor.rowcount,"record(s)affected")
```

```
mydb.commit()
```

	EmpID	Name	DeptID	Salary	ManagerID
▶	9	John Doe	105	72000.00	4
	10	Jane Doe	105	72000.00	4
*	NULL	NULL	NULL	NULL	NULL