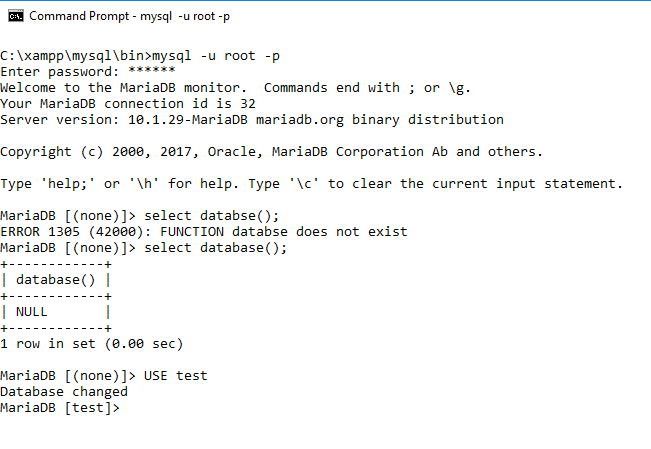
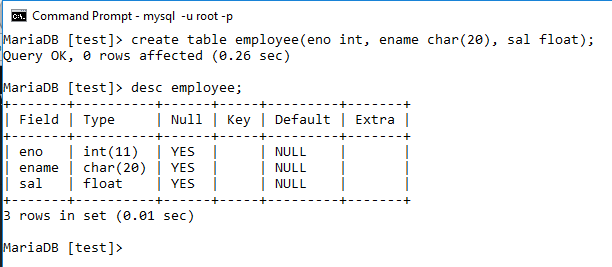
**Experiment 5.3**

**Aim**:- Program to implement CRUD operations using MySQL python database connectivity.

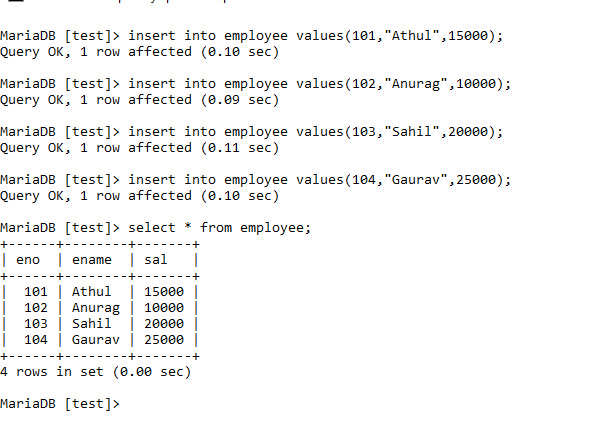
**Method**:-Using MySQL



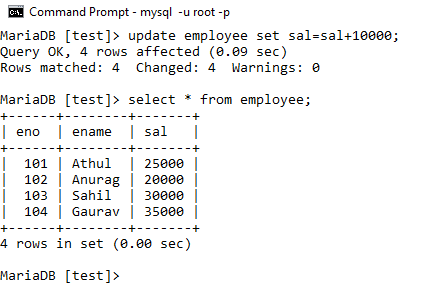
Create



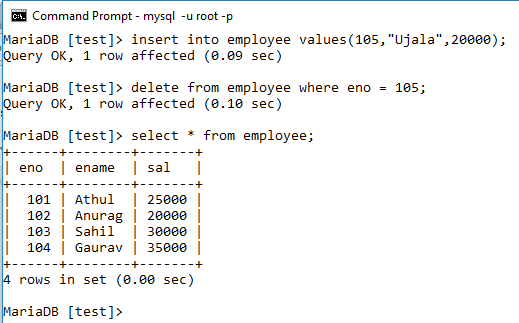
Insert



Update



Delete



Using Python

1. **Create**

**Program:-**

import mysql.connector;

conn=mysql.connector.connect(host='localhost',database='test',user='root',password='123456')

if conn.is\_connected():

print('Connected to MySQL database')

cursor=conn.cursor()

str="create table student(rollno int,sname char(20),gender char(1),percentage float)"

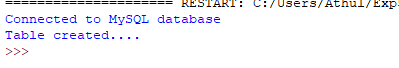
cursor.execute(str)

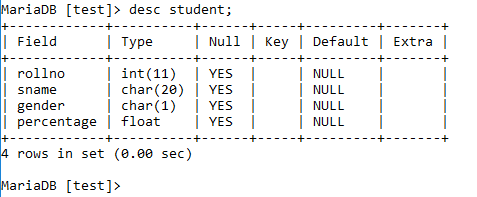
print('Table created....')

cursor.close()

conn.close()

**Output:-**

****

****

1. **Insert**

**Program:-**

import mysql.connector;

conn=mysql.connector.connect(host='localhost',database='test',user='root',password='123456')

cursor=conn.cursor()

def insert\_rows(rollno,sname,gender,percentage):

str="insert into student values('%d','%s','%c',%f)"

args=(rollno,sname,gender,percentage)

try:

cursor.execute(str % args)

conn.commit()

print('1 row inserted....')

except:

conn.rollback()

n=int(input('How many rows? :- '))

for i in range(n):

w=int(input('Enter Roll No. :'))

x=input('Enter Name:')

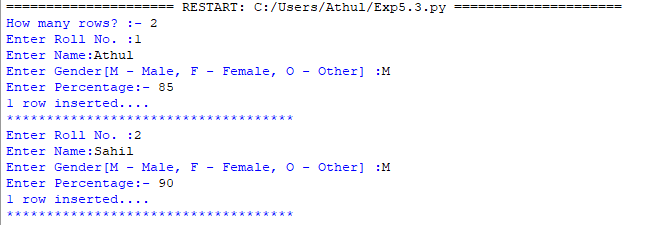
y=input('Enter Gender[M - Male, F - Female, O - Other] :')

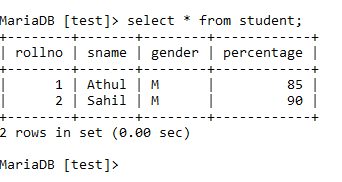
z=float(input('Enter Percentage:- '))

insert\_rows(w,x,y,z)

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

**Output:-**

****

****

1. **Update**

**Program:-**

import mysql.connector;

conn=mysql.connector.connect(host='localhost',database='test',user='root',password='123456')

cursor=conn.cursor()

def update\_rows(eno):

str="update student set percentage=percentage+1.5 where rollno='%d'"

args=(eno)

try:

cursor.execute(str%args)

conn.commit()

print('1 row updated....')

except:

conn.rollback()

finally:

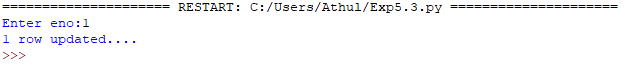
cursor.close()

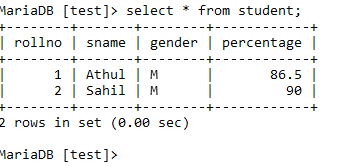
conn.close()

x=int(input('Enter eno:'))

update\_rows(x)

**Output:-**

****

****

1. **Delete**

**Program:-**

import mysql.connector;

conn=mysql.connector.connect(host='localhost',database='test',user='root',password='123456')

cursor=conn.cursor()

def delete\_rows(eno):

str="delete from student where rollno='%d'"

args=(eno)

try:

cursor.execute(str%args)

conn.commit()

print('1 row deleted....')

except:

conn.rollback()

finally:

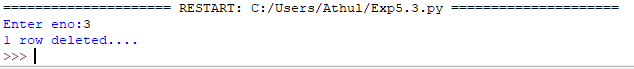
cursor.close()

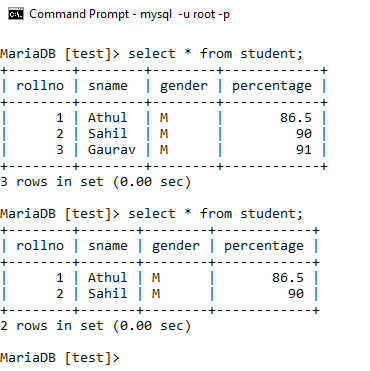
conn.close()

x=int(input('Enter eno:'))

delete\_rows(x)

**Output:-**

****

****