**MYSQL WITH PYTHON**

**QUES** :- Define a function named as db to create a new database named as school.

**PROGRAM** :-

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

def db():

que='create database if not exists school'

cursor.execute(que)

print('Database created...')

db()

**OUTPUT**:-



**QUES**:- Define a function table() to create a new table named as class\_12 with attributes Name, Class, Roll\_no,section and Gender in database named as school.

**PROGRAMM** :-

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

def tb():

cursor.execute('create table if not exists class\_12(Rno int primary key,Name varchar(15),Class int,Sec varchar(10),Gender varchar(15))')

print('Table is created...')

tb()

**OUTPUT:-**



**QUES:-** Define a function insert to add the details of three students in the table class\_12 in database school.

**PROGRAM:-**

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

def insert():

try:

for w in range(3):

print()

print('Entering the',w+1,'record')

rno=int(input('Enter rno: '))

name = input('Enter name:')

Class=int(input('Enter class:'))

sec=input('Enter section:')

gender=input('Enter Gender: ')

query='Insert into class\_12 values({},"{}",{},"{}","{}")'.format(rno,name,Class,sec,gender)

cursor.execute(query)

con.commit()

con.close()

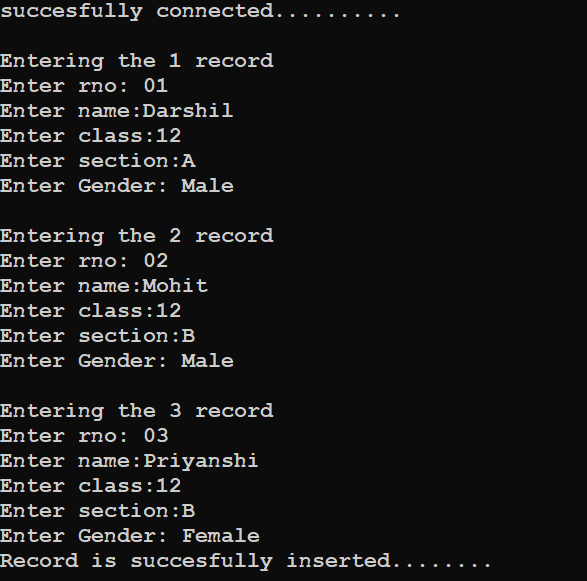
print('Record is succesfully inserted........')

except:

print("Some Error")

insert()

**OUTPUT:-**



**QUES:-** Define a function named as update() to update the records of the students taken from user of table class\_12 in database school.

**PROGRAM:-**

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

def update():

rno=int(input('Enter roll number:'))

cursor.execute('desc class\_12')

recs=cursor.fetchall()

print(recs[0][0].ljust(8),recs[1][0].ljust(20),recs[2][0].ljust(10),recs[3][0].ljust(10),recs[4][0].ljust(10),sep='')

cursor.execute('select \* from class\_12 where rno={}'.format(rno))

w=cursor.fetchall()

for rec in w:

print(str(rec[0]).ljust(8),rec[1].ljust(20),str(rec[2]).ljust(10),rec[3].ljust(10),rec[4].ljust(10),sep='')

print('''

1)Name

2)Class

3)Gender

4)Section''')

print()

ch=int(input('Enter Here:'))

if ch==1:

name=input('Enter new name :')

cursor.execute('update class\_12 set name="%s" where rno=%d'%(name,rno))

con.commit()

print('Record updated........')

elif ch==2:

clas=int(input('Enter new class :'))

cursor.execute('update class\_12 set class=%d where rno=%d'%(clas,rno))

con.commit()

print('Record updated........')

elif ch==3:

gender=input('Enter the new Gender :')

cursor.execute('update class\_12 set gender="%s" where rno=%d'%(gender,rno))

con.commit()

print('Record updated.........')

elif ch==4:

sec=input('Enter new Section :')

cursor.execute('update class\_12 set sec="%s" where rno=%d'%(sec,rno))

con.commit()

print('Record updated........')

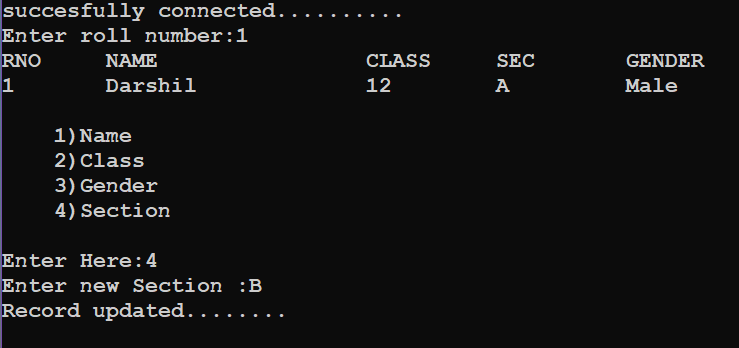
else:

print('WRONG CHOICE !!!!!!!!')

con.close()

update()

**OUTPUT:-**



QUES:- Define a function del() to delete the records of the table class\_12 of database school.

PROGRAM:-

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

def delete():

while True:

print('''

1)Delete all

2)Delete with Rno''')

ch=int(input("Enter Choice:"))

if ch==1:

que='Delete from class\_12'

cursor.execute(que)

elif ch==2:

rn=int(input('Enter Roll number: '))

query='delete from class\_12 where rno={}'.format(rn)

cursor.execute(query)

else:

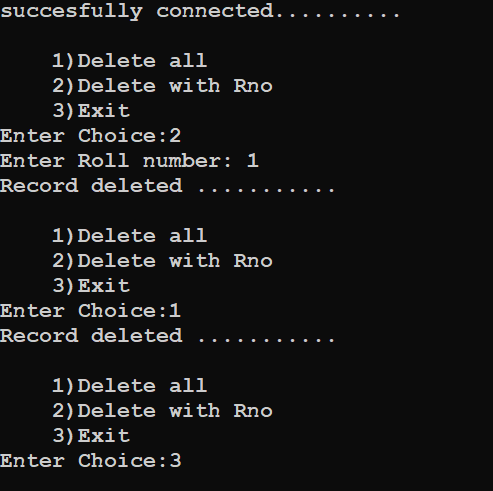
print('WRONG CHOICE.....')

con.commit()

print('Record deleted ...........')

delete()

**OUTPUT:-**

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**QUES:-**  Define a function display() to display all the records of the table class\_12 of database school.

**PROGRAM:-**

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

def display():

try:

cursor.execute('desc class\_12')

recs=cursor.fetchall()

print(recs[0][0].ljust(6),recs[1][0].ljust(15),recs[2][0].ljust(10),recs[3][0].ljust(10),recs[4][0].ljust(10),\

sep='')

Que='select \* from class\_12'

cursor.execute(Que)

w=cursor.fetchall()

for rec in w:

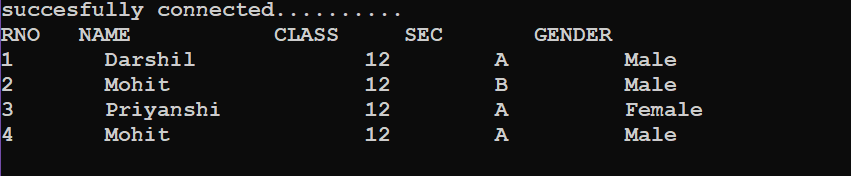
print(str(rec[0]).ljust(8),rec[1].ljust(20),str(rec[2]).ljust(10),rec[3].ljust(10),rec[4].ljust(10),sep='')

except Exception as error:

print('Error :- ',error)

display()

**OUTPUT:-**



**QUES:-**  Write a python program to display the records of the student of sec A of table class\_12 in database school.

**PROGRAM:-**

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

print()

print('Records of the student of section A :- ')

print()

cursor.execute('desc class\_12')

recs=cursor.fetchall()

print(recs[0][0].ljust(6),recs[1][0].ljust(15),recs[2][0].ljust(10),recs[3][0].ljust(10),recs[4][0].ljust(10),\

sep='')

que='select \* from class\_12 where sec="A" '

cursor.execute(que)

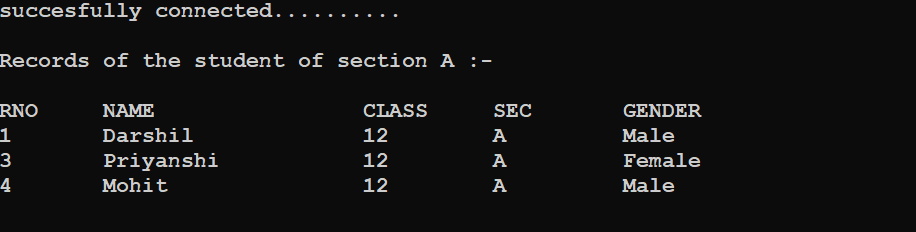
dat=cursor.fetchall()

for rec in dat:

print(str(rec[0]).ljust(8),rec[1].ljust(20),str(rec[2]).ljust(10),rec[3].ljust(10),rec[4].ljust(10),sep='')

dat=cursor.fetchall()

**OUTPUT:-**



**QUES:-** Write a python program to delete the records of the students of sec A from table class\_12 in database school and then display the content of the table .

**PROGRAM:-**

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

cursor=con.cursor()

print()

que='delete from class\_12 where sec="A" '

cursor.execute(que)

con.commit()

cursor.execute('desc class\_12')

recs=cursor.fetchall()

print(recs[0][0].ljust(6),recs[1][0].ljust(20),recs[2][0].ljust(10),recs[3][0].ljust(10),recs[4][0].ljust(10),sep='')

que='select \* from class\_12 '

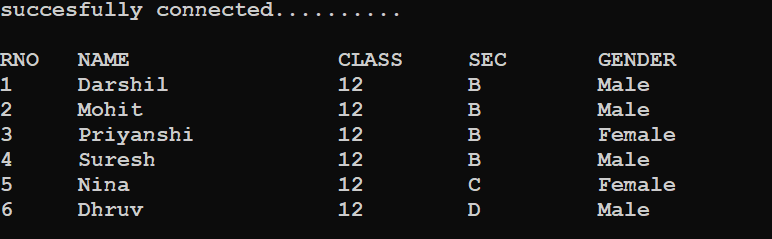
cursor.execute(que)

dat=cursor.fetchall()

for rec in dat:

print(str(rec[0]).ljust(6),rec[1].ljust(20),str(rec[2]).ljust(10),rec[3].ljust(10),rec[4].ljust(10),sep='')

**OUTPUT:-**



**QUES:-**  Write a python program that display the first three rows fetched from class\_12 table of MYSQL database school.

PROGRAM:-

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected..........')

crsr=con.cursor()

print()

crsr.execute('desc class\_12')

recs=crsr.fetchall()

print(recs[0][0].ljust(6),recs[1][0].ljust(20),recs[2][0].ljust(10),recs[3][0].ljust(10),recs[4][0].ljust(10),sep='')

que='select \* from class\_12 '

crsr.execute(que)

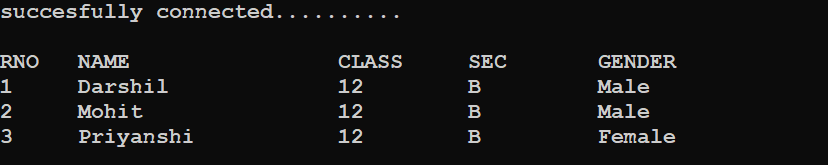
dat=crsr.fetchmany(3)

for rec in dat:

print(str(rec[0]).ljust(6),rec[1].ljust(20),str(rec[2]).ljust(10),rec[3].ljust(10),rec[4].ljust(10),sep='')

con.close()

OUTPUT:-



**Ques:-** Write a python program that deletes records from class\_12 table of database school that have gender male and then display the contents of the table.

PROGRAM:-

import mysql.connector as c

con=c.connect(host='localhost',user='root',password='',database='school',charset='utf8')

if con.is\_connected():

print('succesfully connected')

cursor=con.cursor()

que='delete from class\_12 where gender="Male" '

cursor.execute(que)

con.commit()

print('DISPLAYING THE RECORDS……')

print()

cursor.execute('desc class\_12')

recs=cursor.fetchall()

print(recs[0][0].ljust(8),recs[1][0].ljust(20),recs[2][0].ljust(10),recs[3][0].ljust(10),recs[4][0].ljust(10),sep='')

Que='select \* from class\_12'

cursor.execute(Que)

w=cursor.fetchall()

for rec in w:

print(str(rec[0]).ljust(8),rec[1].ljust(20),str(rec[2]).ljust(10),rec[3].ljust(10),rec[4].ljust(10),sep='')

OUTPUT:-

