Name-Asavari S Bhelawe
Roll No:5021106

PRACTICAL 7

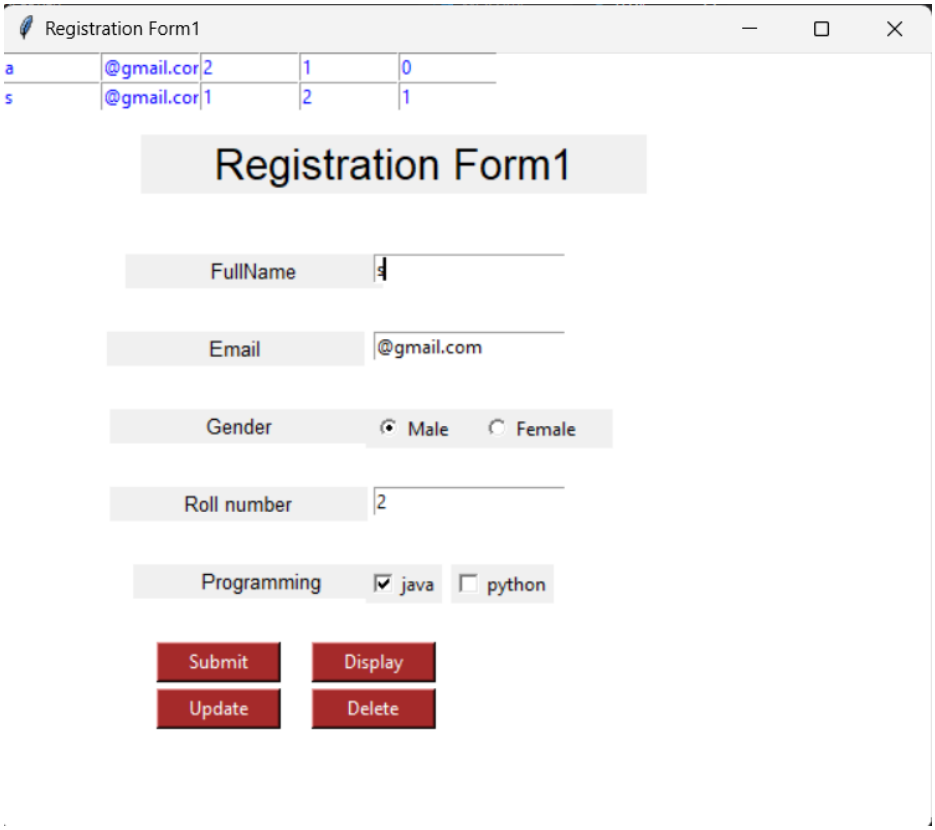
Write a python program design an application using python connect to database using MySQL or SQLiteOracle, PostgreSQL perform CRUD operations.

PROGRAM-

```
from tkinter import *
import sqlite3
root = Tk()
root.geometry('600x500')
root.title("Registration Form1")
conn = sqlite3.connect('Form1.db')
Fullname=StringVar()
Roll=StringVar()
Email=StringVar()
var = IntVar()
c=StringVar()
var1= IntVar()
def database():
   conn = sqlite3.connect('Form1.db')
   name1=Fullname.get()
   email=Email.get()
   gender=var.get()
   roll=Roll.get()
   prog=var1.get()
   with conn:
      cursor=conn.cursor()
   cursor.execute('CREATE TABLE IF NOT EXISTS Student (Fullname TEXT,Email
TEXT,Gender TEXT,RollNumber TEXT,Programming TEXT)')
   cursor.execute('INSERT INTO Student
(FullName,Email,Gender,RollNumber,Programming)
VALUES(?,?,?,?,?)',(name1,email,gender,roll,prog,))
   conn.commit()
   conn.close()
def display():
    conn = sqlite3.connect('Form1.db')
    root.configure(bg='white')
    with conn:
      cursor=conn.cursor()
    r_set=cursor.execute('''SELECT * from Student LIMIT 0,10''');
    i=0 # row value inside the loop
    for student in r_set:
        for j in range(len(student)):
            e = Entry(root, width=10, fg='blue')
            e.grid(row=i, column=j)
            e.insert(END, student[j])
        i=i+1
    conn.close()
def delete():
   conn = sqlite3.connect('Form1.db')
   roll=Roll.get()
   root.configure(bg='grey')
   with conn:
      cursor=conn.cursor()
```

```
   query = f'DELETE FROM Student WHERE RollNumber={roll}'
   cursor.execute(query)
   conn.commit()
   conn.close()
def update():
   root.configure(bg='white')
   conn = sqlite3.connect('Form1.db')
   name1=Fullname.get()
   email=Email.get()
   gender=var.get()
   roll=Roll.get()
   prog=var1.get()
   with conn:
      cursor=conn.cursor()
   query=f'UPDATE Student SET Fullname = \'{name1}\', Email =  \'{email} \',
Gender= {gender}, Programming = {prog} WHERE RollNumber={roll};'
   cursor.execute(query)
   conn.commit()
   conn.close()
label_0 = Label(root, text="Registration Form1",width=20,font=("bold", 20))
label_0.place(x=90,y=53)
label_1 = Label(root, text="FullName",width=20,font=("bold", 10))
label_1.place(x=80,y=130)
entry_1 = Entry(root,textvar=Fullname)
entry_1.place(x=240,y=130)
label_2 = Label(root, text="Email",width=20,font=("bold", 10))
label_2.place(x=68,y=180)
entry_2 = Entry(root,textvar=Email)
entry_2.place(x=240,y=180)
label_3 = Label(root, text="Gender",width=20,font=("bold", 10))
label_3.place(x=70,y=230)
Radiobutton(root, text="Male",padx = 5, variable=var, value=1).place(x=235,y=2
30)
Radiobutton(root, text="Female",padx = 20, variable=var, value=2).place(x=290,
y=230)
label_4 = Label(root, text="Roll number",width=20,font=("bold", 10))
label_4.place(x=70,y=280)
entry_4 = Entry(root,textvar=Roll)
entry_4.place(x=240,y=280)
label_4 = Label(root, text="Programming",width=20,font=("bold", 10))
label_4.place(x=85,y=330)
var2= IntVar()
Checkbutton(root, text="java", variable=var1).place(x=235,y=330)
Checkbutton(root, text="python", variable=var2).place(x=290,y=330)
Button(root, text='Submit',width=10,bg='brown',fg='white',command=database).pl
ace(x=100,y=380)
Button(root, text='Display',width=10,bg='brown',fg='white',command=display).pl
ace(x=200,y=380)
Button(root, text='Delete',width=10,bg='brown',fg='white',command=delete).plac
e(x=200,y=410)
Button(root, text='Update',width=10,bg='brown',fg='white',command=update).plac
e(x=100,y=410)
root.mainloop()
```

OUTPUT :


Registration Form1
a @gmail.cor 2 1 0
s @gmail.cor 1 2 1
Registration Form1
FullName
Email
@gmail.com
Gender
Male
Female
Roll number
2
Programming
java
python
Submit
Display
Update
Delete