Subject: Python Programming

Subject code: CAT-760

PRACTICAL-10

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1Q. Develop a GUI using tkinter for Registration form and perform its connectivity with the MySQLdatabase. Write code to save the data entered in different widgets in database.

ANS—

```
from tkinter import *
import mysql.connector
root = Tk()
root.geometry('500x500')
root.title("Registration Form")
Fullname=StringVar()
Email=StringVar()
Password=StringVar()
var = IntVar()
c=StringVar()
var1= IntVar()
def database():
 name1=Fullname.get()
 email=Email.get()
 gender=var.get()
 country=c.get()
 passw=Password.get()
```

```
 prog=var1.get()
 mydb = mysql.connector.connect(
 host="localhost",
 user="root",
 passwd="",
 database="Student"
)
 cursor = mydb.cursor()
 val=(name1,email,passw,gender,country)
 sql="INSERT INTO Student (FullName,Email,Password,Gender,country)
VALUES(%s,%s,%s,%s,%s)"
 cursor.execute(sql,val)
 mydb.commit()
 l1 = Label(root, text="Data Saved!",width=20,font=("bold", 8))
 l1.place(x=185,y=420)
label_0 = Label(root, text="Registration form",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)

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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=230)

Radiobutton(root, text="Female",padx = 20, variable=var,
value=2).place(x=290,y=230)

label_4 = Label(root, text="country",width=20,font=("bold", 10))

label_4.place(x=70,y=280)

list1 = ['Canada','India','UK','Nepal','Iceland','South Africa'];

droplist=OptionMenu(root,c, *list1)

droplist.config(width=15)

c.set('select your country')

droplist.place(x=240,y=280)

label_4 = Label(root, text="Password",width=20,font=("bold", 10))

label_4.place(x=76,y=330)

entry_3 = Entry(root,textvar=Password)

entry_3.place(x=240,y=330)

Button(root,
text='Submit',width=20,bg='black',fg='white',command=database).place(x=180,y=
380)
```
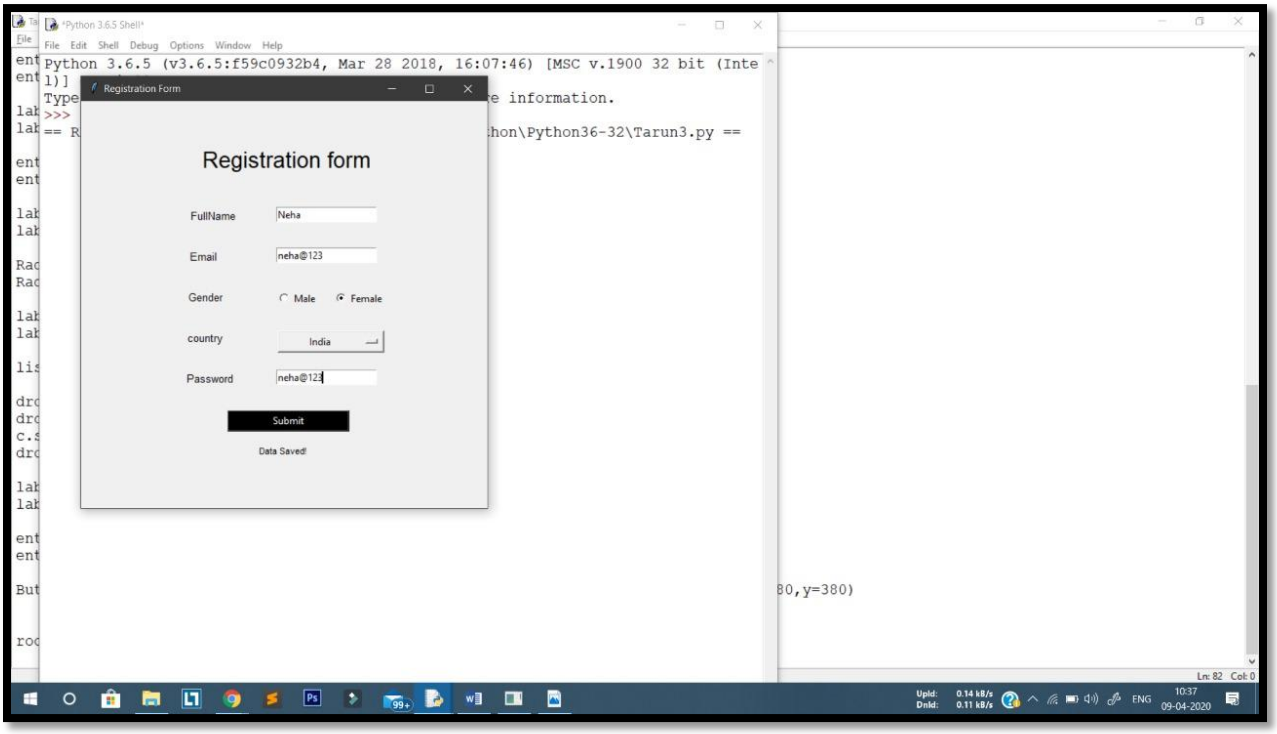

```
root.mainloop()
```



2Q. Write code to display all record entered through registration form in the database.

ANS—

```
from tkinter import *
import mysql.connector
mydb = mysql.connector.connect(
 host="localhost",
 user="root",
 passwd="",
 database="Student"
```

```
)
mycursor = mydb.cursor()
mycursor.execute("SELECT * FROM student")
myresult = mycursor.fetchall()
for x in myresult:
 print(x)
```