



CHANDIGARH
UNIVERSITY

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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))
```

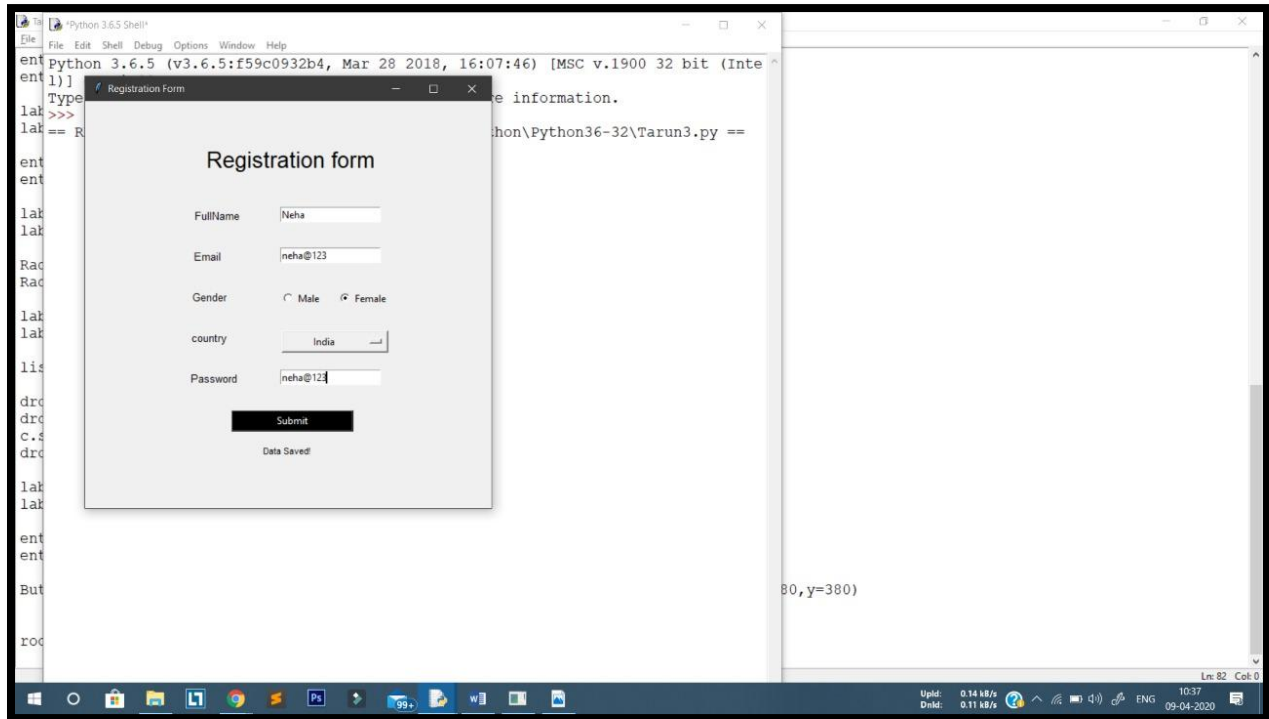
```
label_4.place(x=76,y=330)
```

```
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()
```

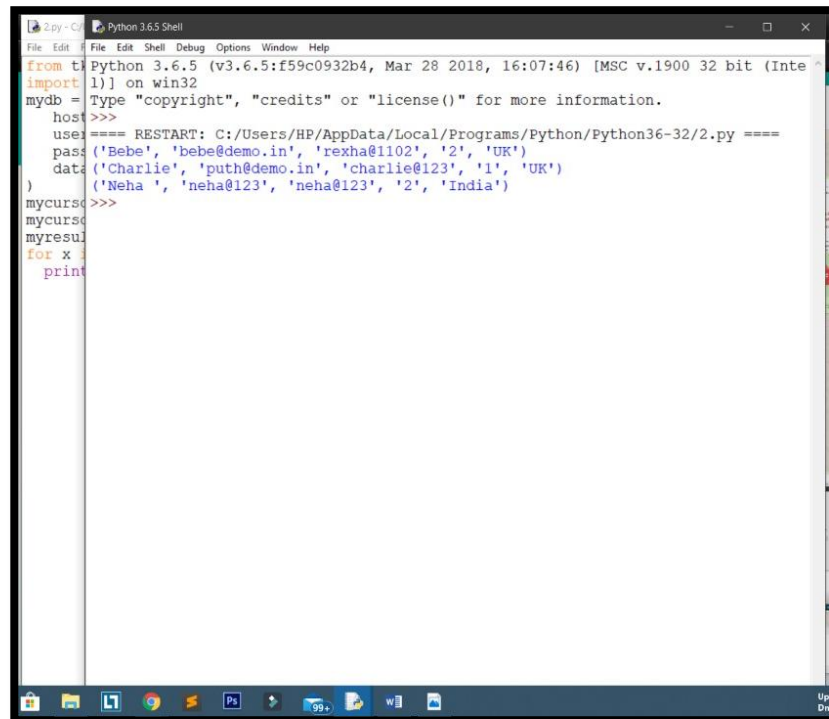


2Q. Write code to display all record entered through registration form in the database.

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)
```



The screenshot shows a Python 3.6.5 Shell window with the following code and output:

```
Python 3.6.5 Shell  
File Edit Shell Debug Options Window Help  
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32  
import sys  
mydb = MySQLdb.connect(host="localhost", user="root", passwd="root", db="student")  
host >>>  
use:==== RESTART: C:/Users/HP/AppData/Local/Programs/Python/Python36-32/2.py ====  
pass ('Bebe', 'bebe@demo.in', 'rexha@1102', '2', 'UK')  
data ('Charlie', 'puth@demo.in', 'charlie@123', '1', 'UK')  
) ('Neha', 'neha@123', 'neha@123', '2', 'India')  
mycursor >>>  
mycursor.execute("SELECT * FROM student")  
myresult = mycursor.fetchall()  
for x in myresult:  
    print(x)
```

The output shows the database connection details and the results of the query execution. The results are displayed as a list of tuples, representing the data from the 'student' table.