# Project

This complete python tutorial explains, how to create a Registration form using Python Tkinter and a login page in python Tkinter with database MySQL. Also, I have explained how to validate form fields in the registration form in Python Tkinter. I hope, you will like this, registration form in Python using Tkinter example.

All the data will be stored and fetched using the **My**SQLdatabase**.** This is a complete project on the registration form in python with database, that can be used to add registration screens to any desktop application in Python.

In the below example,

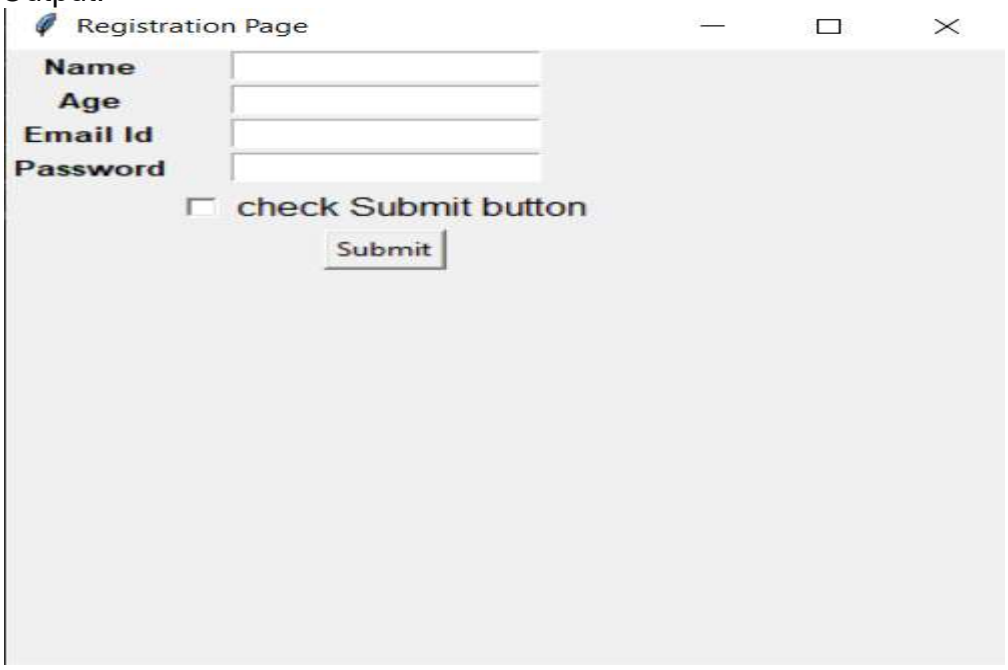
- tk.label and tk.button is used to create labels and buttons on the GUI screen. Every button contains a command in it which includes a function to be executed on click of the button.
- The function *logintodb* is created to login into the MySQL Database. The save query includes the query to be executed on the click of the submit button.
- The table is created in MySQL database and software is name XAMPP control panel in use.
- The INSERT table is MySQL database and show output Registration successfully
- Root.mainloop() is included at the last indicating that only components within it are included in the window.

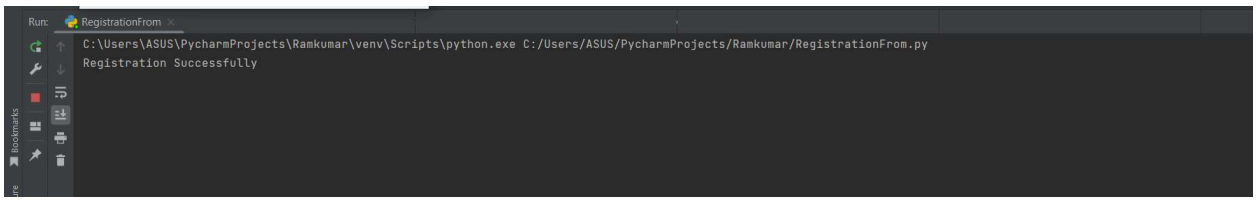
Below is the implementation:-

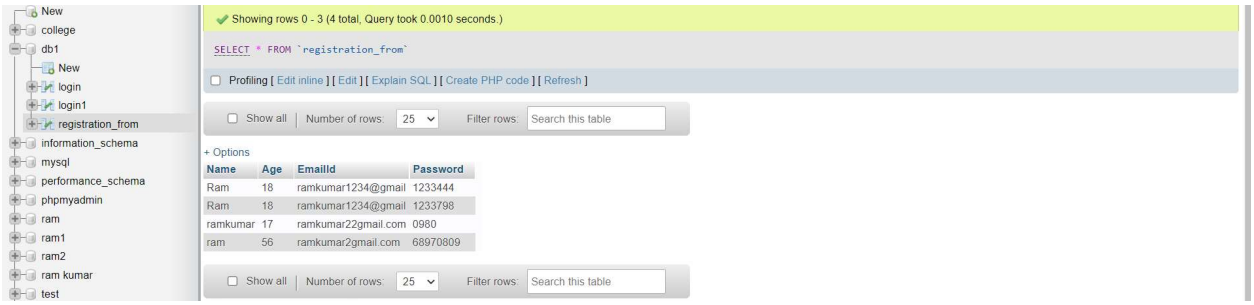
```
from tkinter import *
import mysql.connector
root = Tk()
def RP():
    Db = mysql.connector.connect(host="localhost", user="ram1",
password="ram1", database="db1")
    mycursor = Db.cursor()
    name = name_value.get()
    age = age_value.get()
    emailid = Emailid_value.get()
    password = password_value.get()
    print(f"The Name,Age EmailId and Password :-{name}{age} {emailid}
{password}")
    s = "INSERT INTO
registration_from(Name,Age,EmailId,Password)VALUES(%s,%s,%s,%s)"
    re = (name,age,emailid, password)
    mycursor.execute(s, re)
    Db.commit()
print("Registration Successfully ")
root.geometry("400x400")
root.title("Registration Page")
# Label
name = Label(root,text='Name',font='Arial 10 bold')
age = Label(root,text='Age',font='Arial 10 bold')
Emailid = Label(root,text='Email Id',font='Arial 10 bold')
password = Label(root,text='Password',font='Arial 10 bold')
# pack text our from
name.grid(row=0,column=0)
age.grid(row=1,column=0)
Emailid.grid(row=2,column=0)
```

```
password.grid(row=3,column=0)
# Tkinter variable for storing entries
name_value = StringVar()
age_value = StringVar()
Emailid_value = StringVar()
password_value = StringVar()
checkbutton_value = IntVar()
# Entries for our from
name_entry = Entry(root,textvariable=name_value)
age_entry = Entry(root,textvariable=age_value)
Emailid_entry = Entry(root,textvariable=Emailid_value)
password_entry = Entry(root,textvariable=password_value)
name_entry.grid(row=0,column=1)
age_entry.grid(row=1,column=1)
Emailid_entry.grid(row=2,column=1)
password_entry.grid(row=3,column=1)
# Check button
checkbutton = Checkbutton(root,text='check Submit button',font='bold')
# packing
checkbutton.grid(row=4,column=1)
# Button
button = Button(root,text='Submit',command=RP)
button.grid(row=5,column=1)
root.mainloop()
```

Output: -




New
college
db1
New
login
login1
registration_from
information_schema
mysql
performance_schema
phpmyadmin
ram
ram1
ram2
ram kumar
test
Showing rows 0 - 3 (4 total, Query took 0.0010 seconds.)
SELECT * FROM `registration_from`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table
+ Options
Name Age EmailId Password
Ram 18 ramkumar1234@gmail 1233444
Ram 18 ramkumar1234@gmail 1233798
ramkumar 17 ramkumar22gmail.com 0980
ram 56 ramkumar2gmail.com 68970809
Show all | Number of rows: 25 Filter rows: Search this table