CREATE APPLICATION FORM TO JOIN ANY ONE OF THE STUDENT'S ASSOCIATION IN LPU AND PREPARE REPORT

As a project work for Course

PYTHON PROGRAMMING (INT 213)

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Semester : Third
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APPLICATION FORM TO JOIN ANY ONE OF THE STUDENT'S ASSOCIATION IN LPU

ABSTRACT:-

LPU is one of the largest university in the India. And the academic is not only the reason to call LPU one of the best university in the India. Another main reason to call it so is the number of student's associations which are active inside LPU. And also the number of students in each association is probably greater than many colleges in India.

So , we are here to provide the interface by which more number of vertos could join any active student's association inside LPU.

ACKNOWLEDGEMENT:-

I would like to thank my mentor - Prof. Ishan Kumar for his advice and inputs on this project. Many thanks to my friends and seniors as well, who spent countless hours to listen and provide feedbacks .

TEAM MEMBERS:-

1)Vikrant Gholse

Contributions:-

1. Coding(joined)
2. creating tables
3. GUI

2) Ryan Choudhury

Contributions:-

1. Coding(joined)
2. database work
3. report

LIBRARIES:-

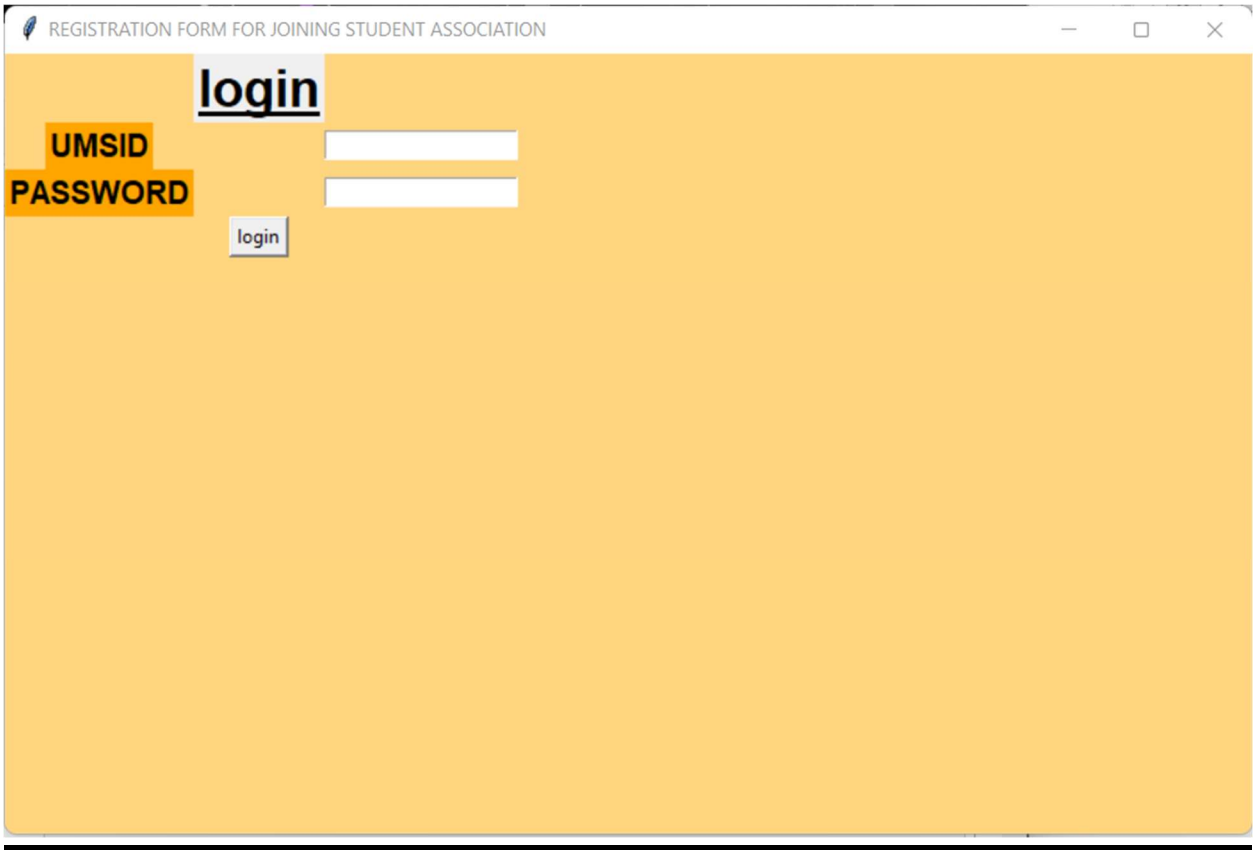
1) Tkinter :-

Out of all the GUI methods, tkinter is the most commonly used method. It is a standard Python interface to the Tk GUI toolkit shipped with Python. Python with tkinter is the fastest and easiest way to create the GUI applications. Creating a GUI using tkinter is an easy task

2) Mysql.connector :-

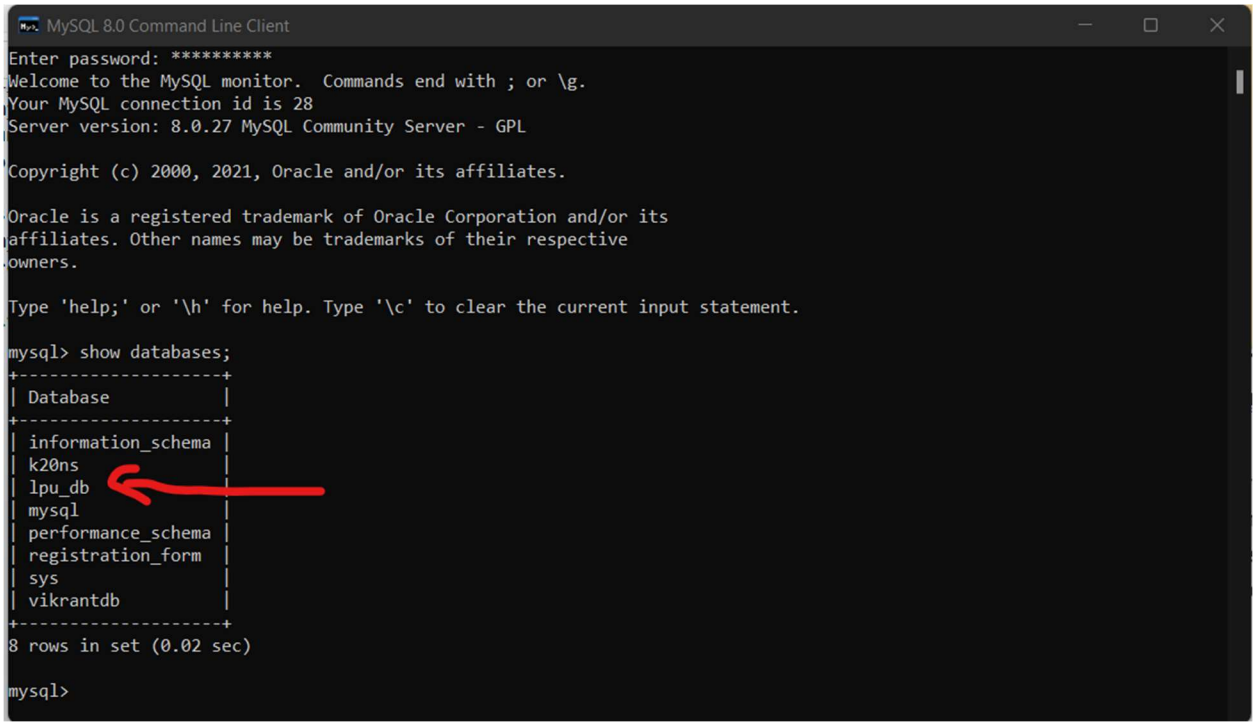
Python needs a mysql driver to access the mysql database.In this tutorial we will use the driver "mysql Connector".We recommend that you use PIP to install "mysql Connector".PIP is most likely already installed in your Python environment..

Working of application with explanation (with screenshorts)



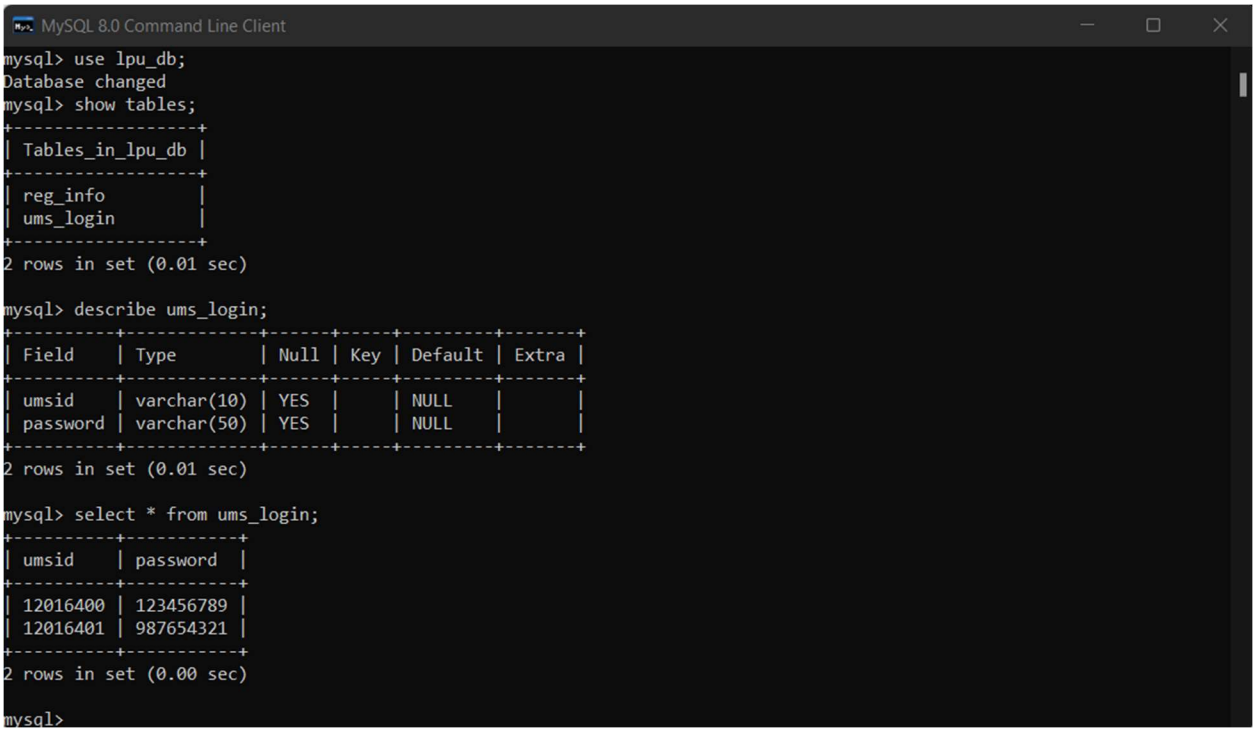
If we run our application we will have a login page in front of us as shown above.

As this application is only for LPU students the student must have a ums id and password. And as we cannot have access to LPU original database so we have created our own database named as " lpu_db" in our own localhost with the help of my sql.

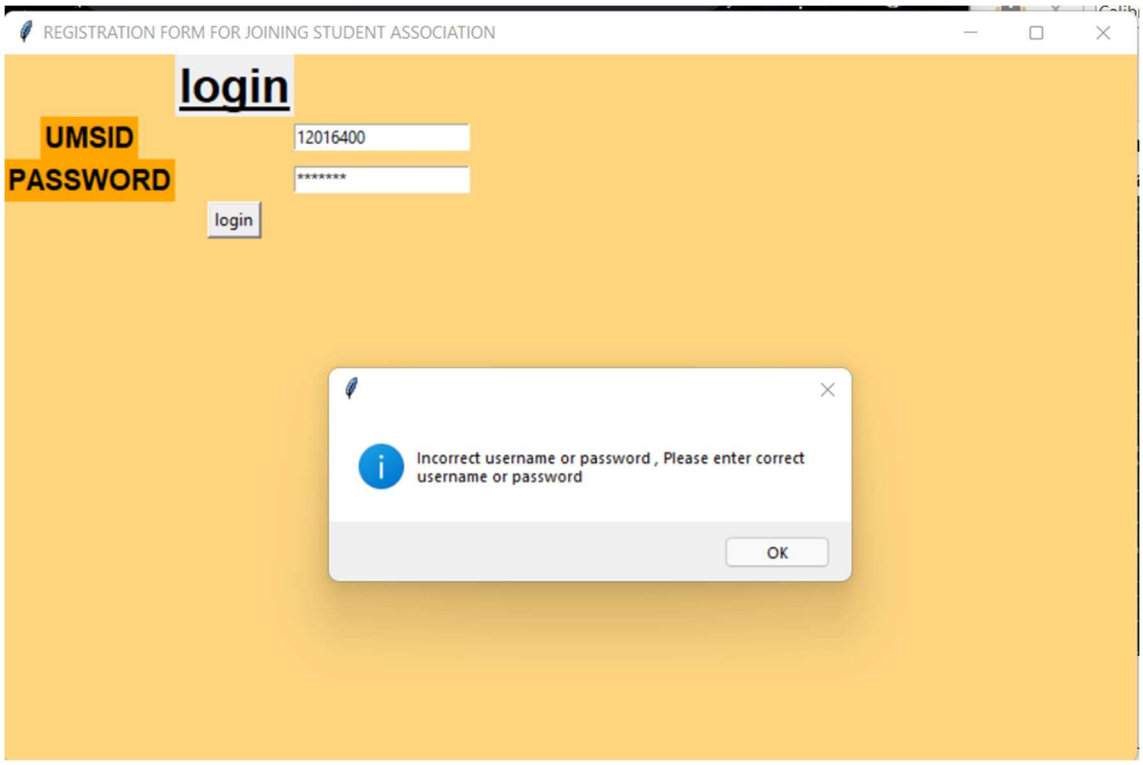


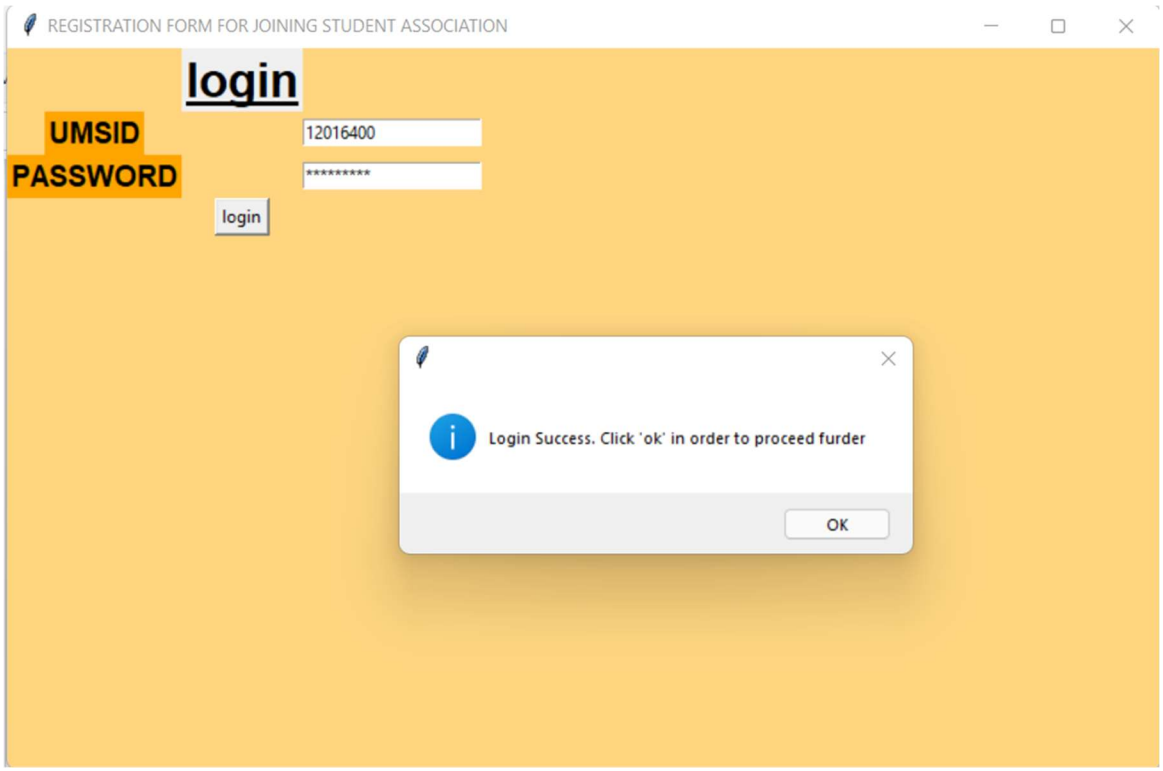
In this particular database we have created a tables one of the table is “ums_login” which stores the ums ids and their password.

In this table we have also created some demo ums ids and password.

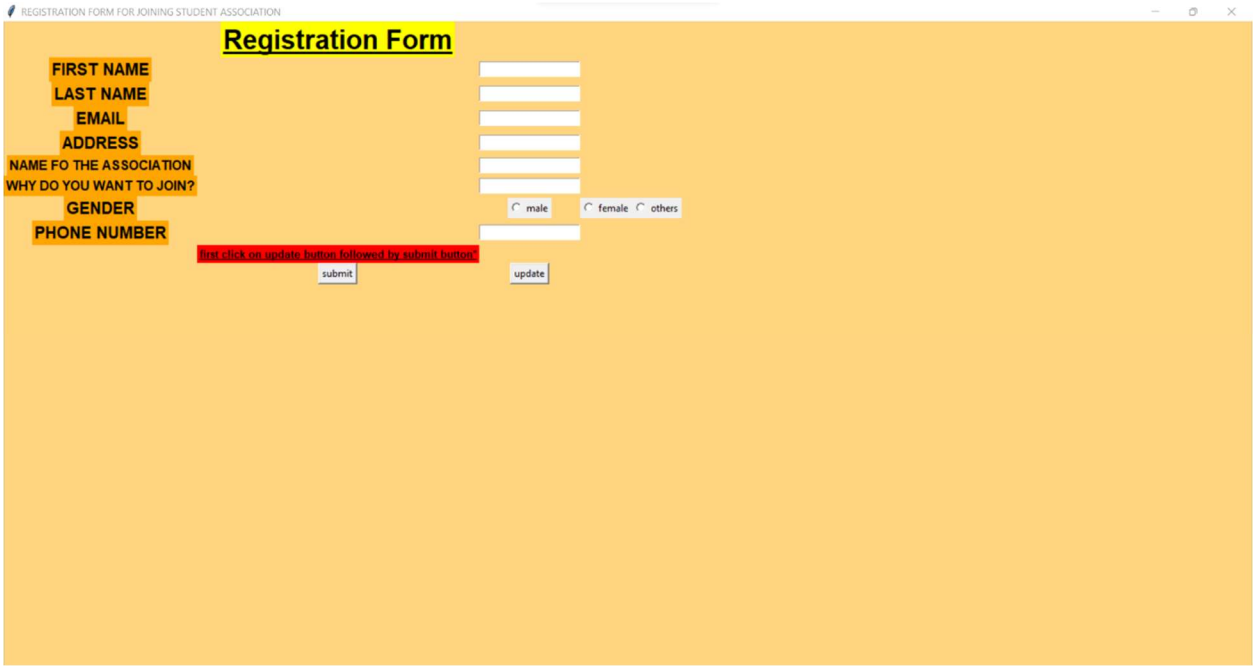


Until unless we enter correct id and password it will throw error.first image shows output with wrong password and second one with correct password



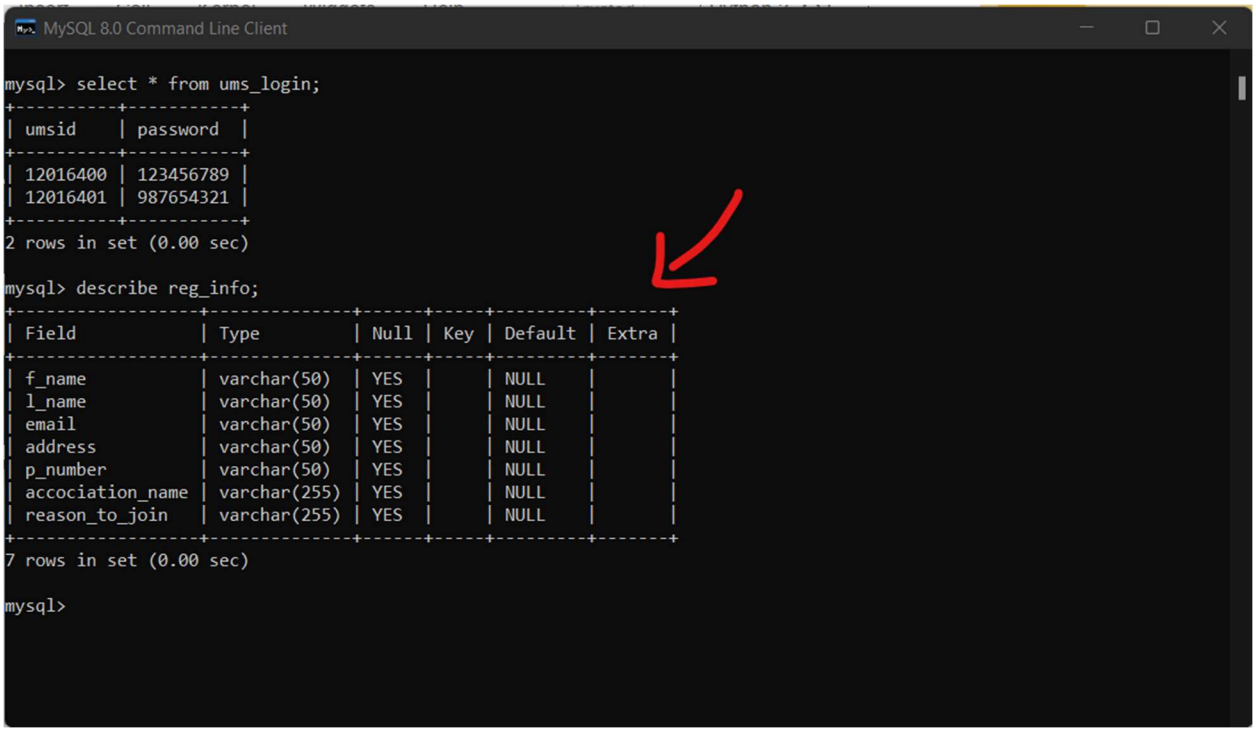


As soon as we enter correct user name and password we will be taken to the registration page

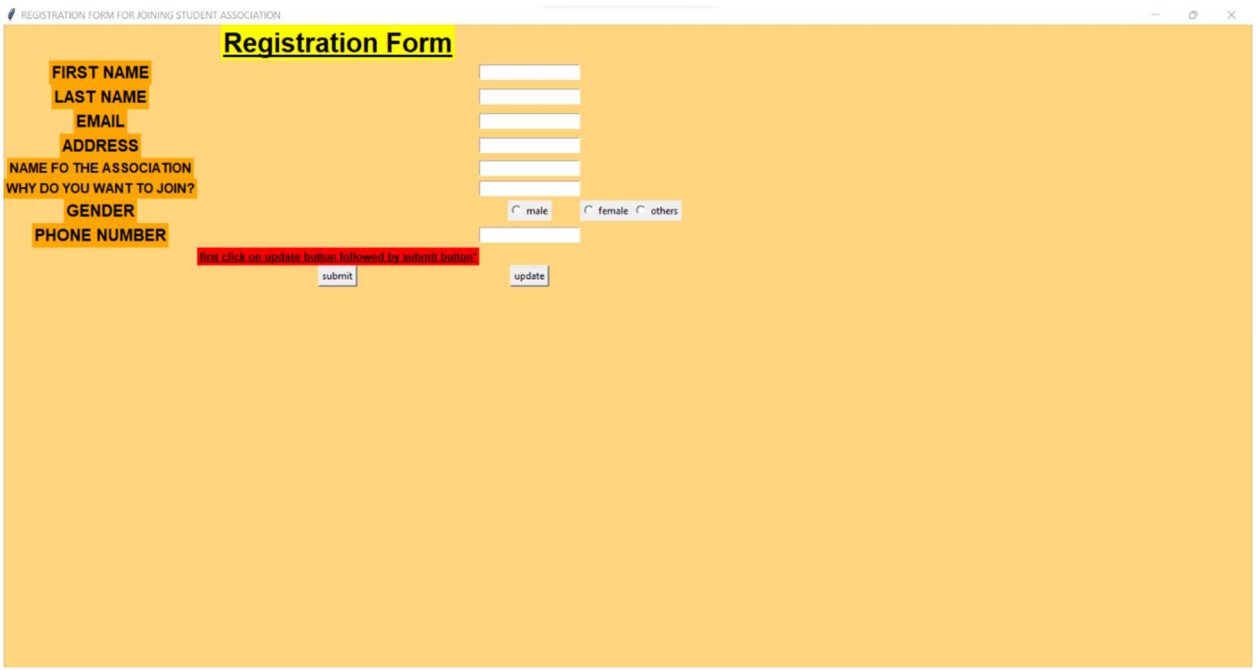


And the inputs which the user will enter here will be again stored into our localhost database but this time table will be different.

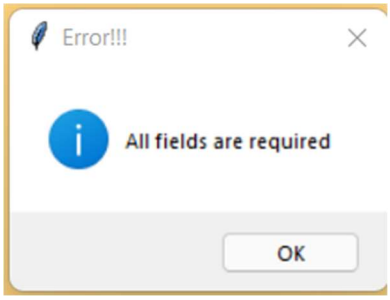
The name of the table which will store the input values is “reg_info”



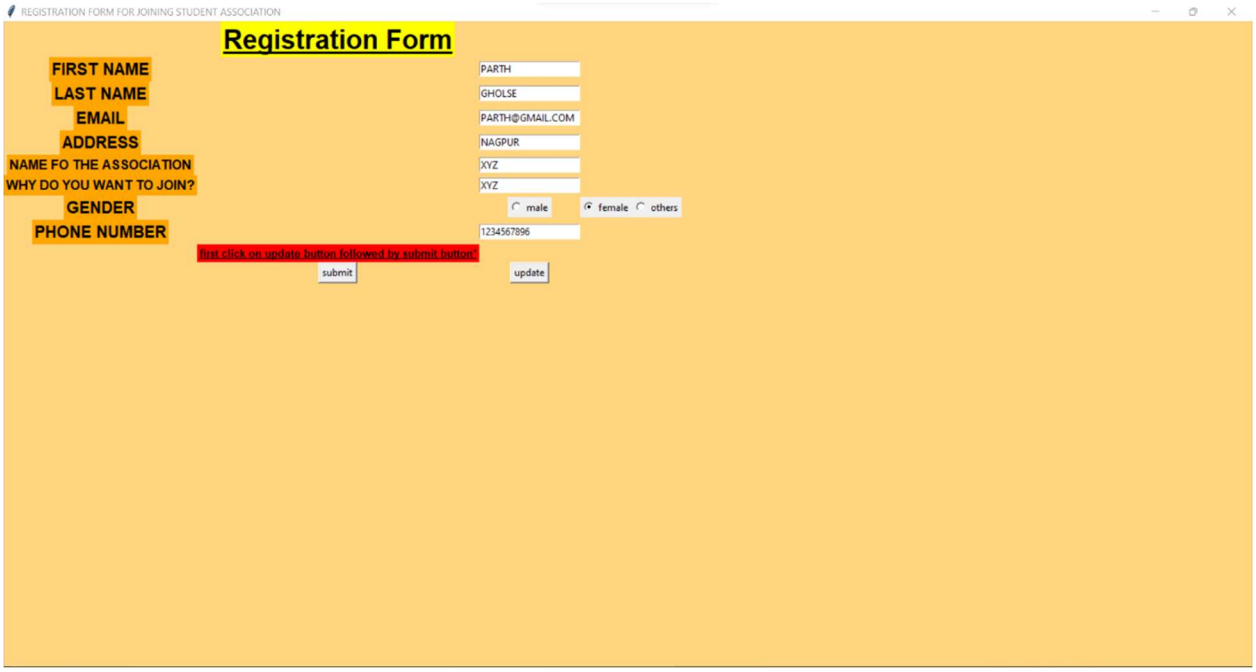
And to update our details in the table we need to fill each and every details asked in REGISTRATION FORM

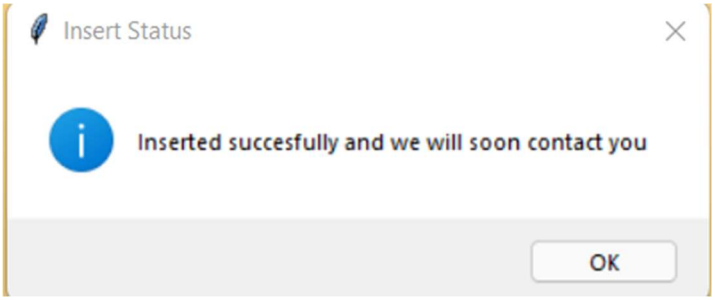


If we click on update button without giving input even in a single input box we will get error

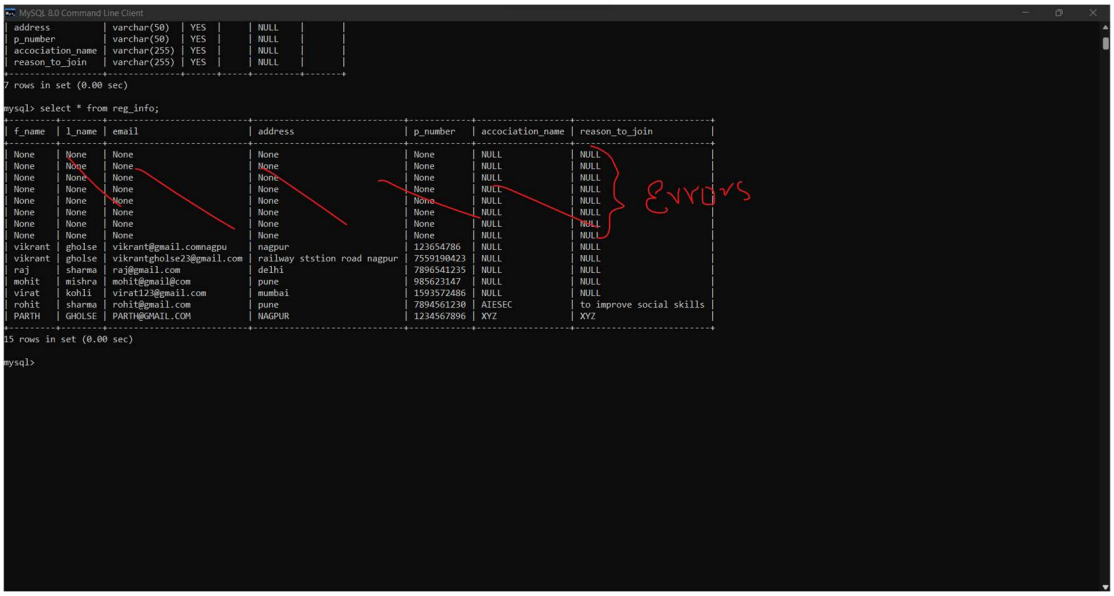


But if we fill complete details and clock on submit button we will not get any kind of error

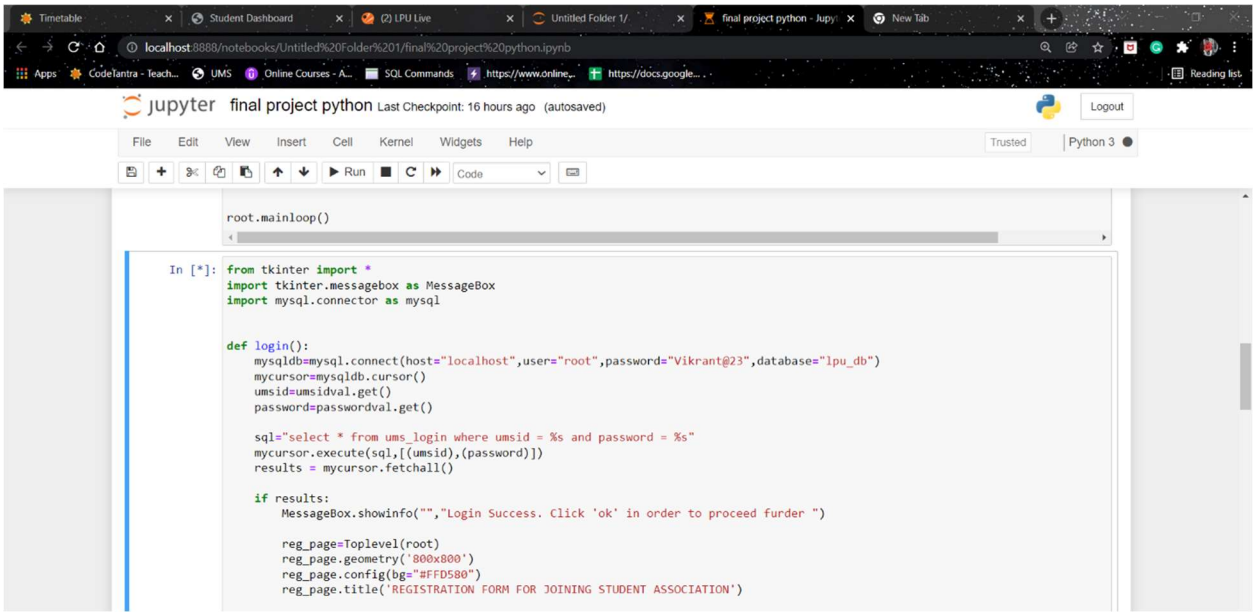


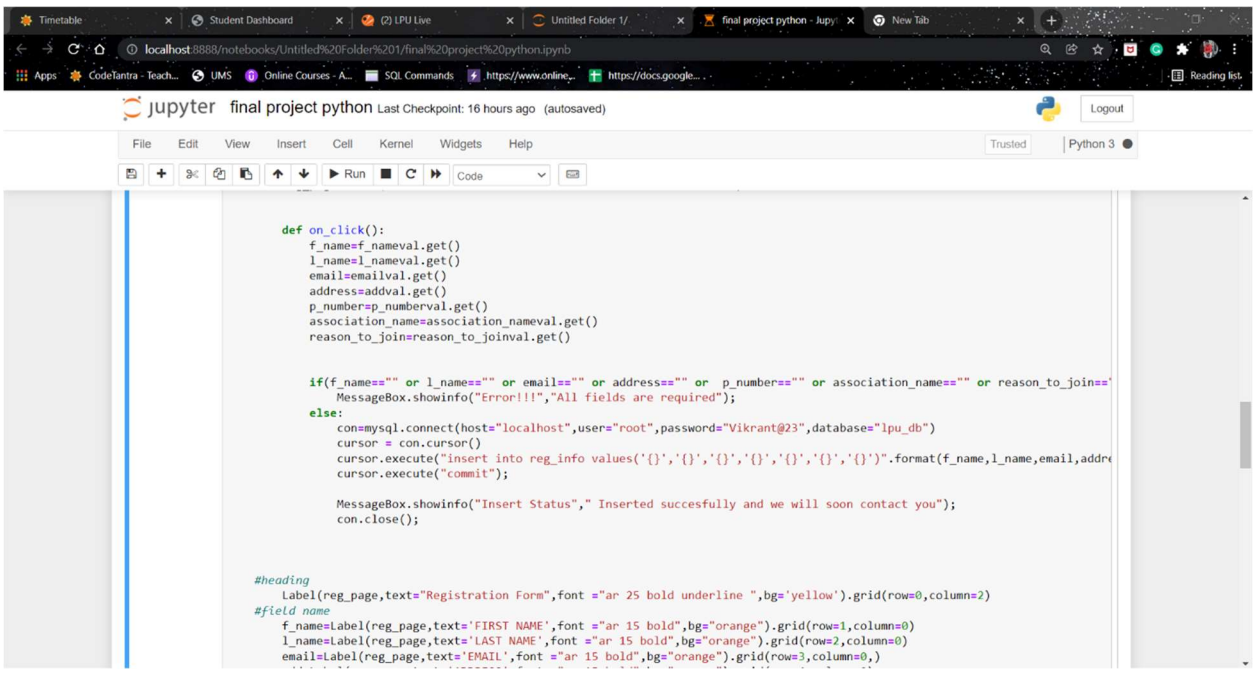


And data will be inserted in the table inside our database.



CODE


Timetable
Student Dashboard
(2) LPU Live
Untitled Folder 1/
final project python - Jupyt
New Tab
localhost:8888/notebooks/Untitled%20Folder%201/final%20project%20python.ipynb
jupyter final project python Last Checkpoint: 16 hours ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
root.mainloop()
In [*]:
from tkinter import *
import tkinter.messagebox as MessageBox
import mysql.connector as mysql
def login():
mysqldb=mysql.connect(host="localhost",user="root",password="Vikrant@23",database="lpu_db")
mycursor=mysqldb.cursor()
umsid=umsidval.get()
password=passwordval.get()
sql="select * from ums_login where umsid = %s and password = %s"
mycursor.execute(sql,[(umsid),(password)])
results = mycursor.fetchall()
if results:
MessageBox.showinfo("","Login Success. Click 'ok' in order to proceed furder ")
reg_page=Toplevel(root)
reg_page.geometry('800x800')
reg_page.config(bg="#FFD580")
reg_page.title('REGISTRATION FORM FOR JOINING STUDENT ASSOCIATION')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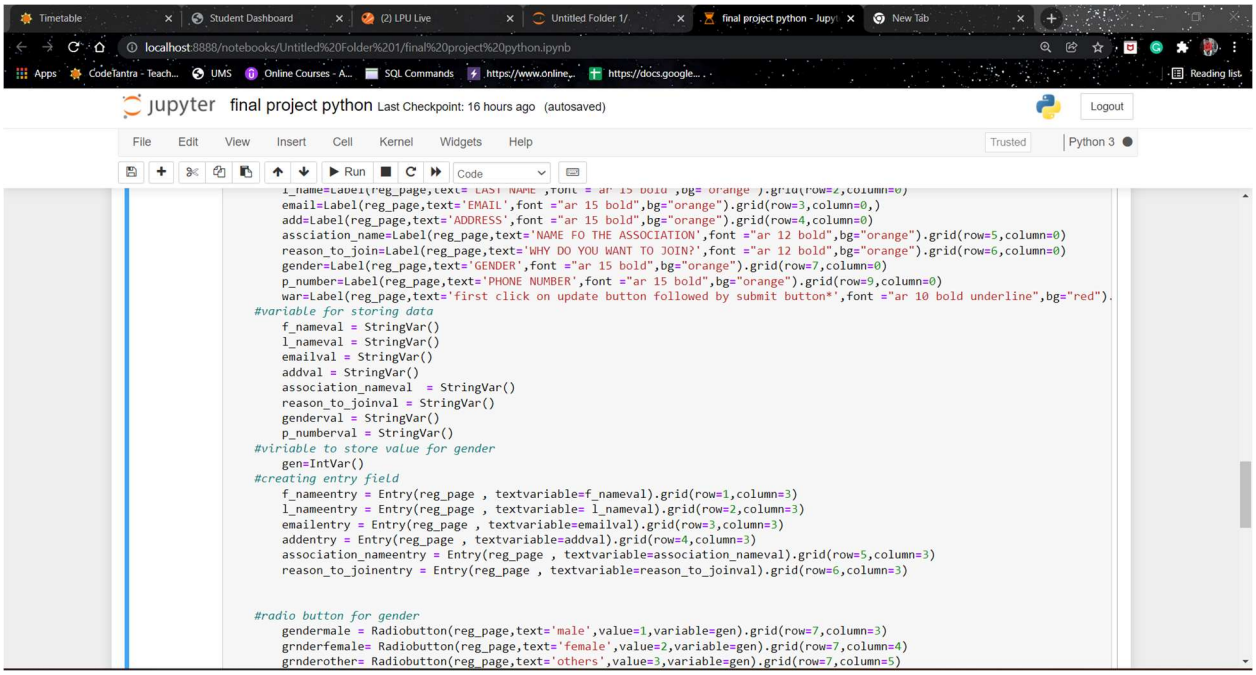
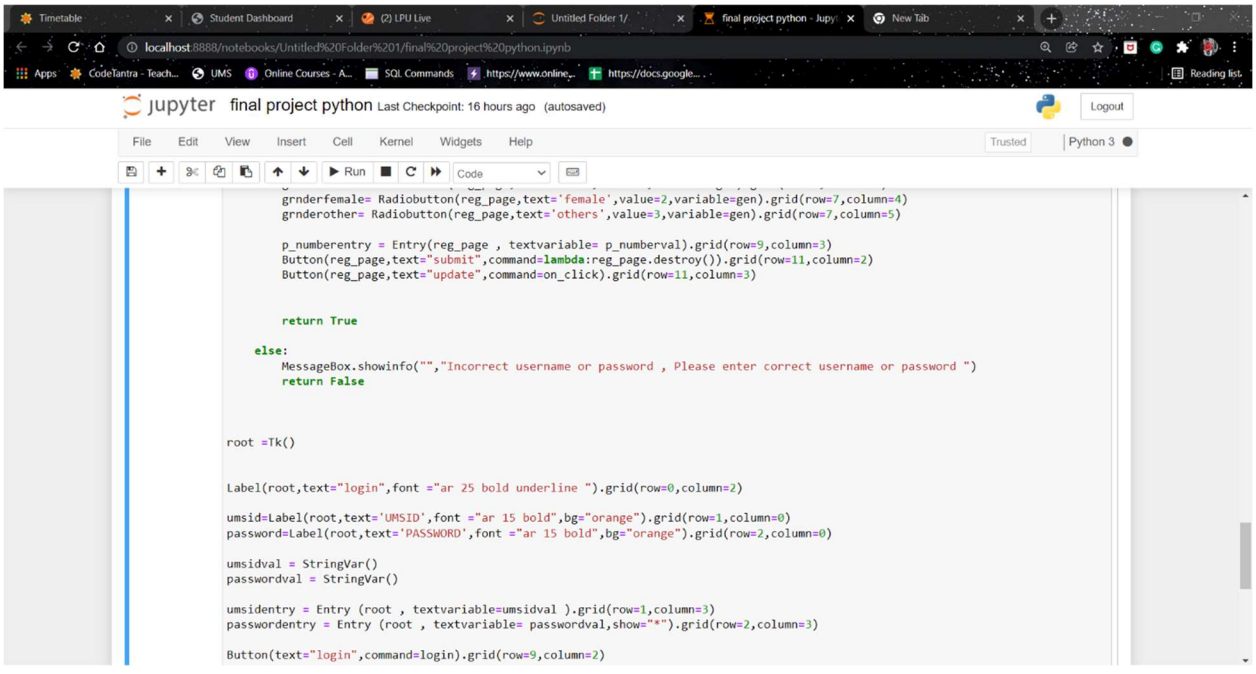
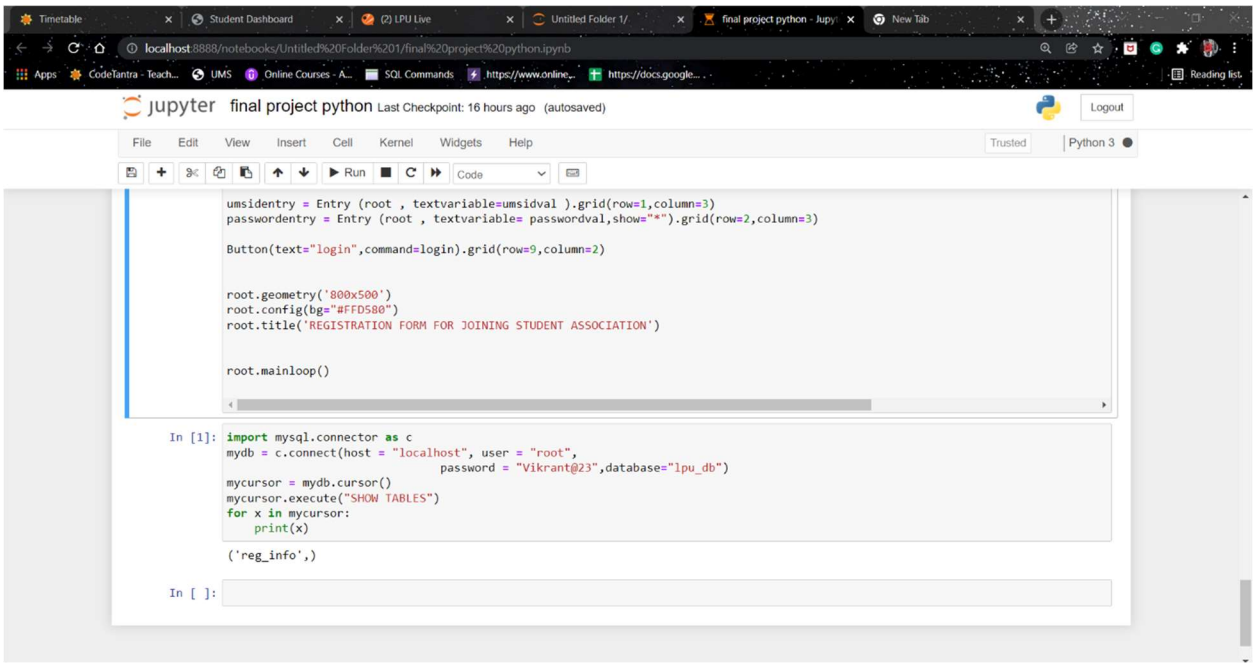
jupyter final project python Last Checkpoint: 16 hours ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
def on_click():
f_name=f_nameval.get()
l_name=l_nameval.get()
email=emailval.get()
address=addval.get()
p_number=p_numberval.get()
association_name=association_nameval.get()
reason_to_join=reason_to_joinval.get()
if(f_name=="" or l_name=="" or email=="" or address=="" or p_number=="" or association_name=="" or reason_to_join==
MessageBox.showinfo("Error!!!","All fields are required");
else:
con=mysql.connect(host="localhost",user="root",password="Vikrant@23",database="lpu_db")
cursor = con.cursor()
cursor.execute("insert into reg_info values('{}','{}','{}','{}','{}','{}','{}')".format(f_name,l_name,email,addr
cursor.execute("commit");
MessageBox.showinfo("Insert Status"," Inserted succesfully and we will soon contact you");
con.close();
#heading
Label(reg_page,text="Registration Form",font ="ar 25 bold underline ",bg='yellow').grid(row=0,column=2)
#field name
f_name=Label(reg_page,text='FIRST NAME',font ="ar 15 bold",bg="orange").grid(row=1,column=0)
l_name=Label(reg_page,text='LAST NAME',font ="ar 15 bold",bg="orange").grid(row=2,column=0)
email=Label(reg_page,text='EMAIL',font ="ar 15 bold",bg="orange").grid(row=3,column=0,)



```
        l_name=Label(reg_page,text='LAST NAME',font = "ar 15 bold",bg="orange").grid(row=2,column=0)
        email=Label(reg_page,text='EMAIL',font ="ar 15 bold",bg="orange").grid(row=3,column=0,)
        add=Label(reg_page,text='ADDRESS',font ="ar 15 bold",bg="orange").grid(row=4,column=0)
        assciation_name=Label(reg_page,text='NAME FO THE ASSOCIATION',font ="ar 12 bold",bg="orange").grid(row=5,column=0)
        reason_to_join=Label(reg_page,text='WHY DO YOU WANT TO JOIN?',font ="ar 12 bold",bg="orange").grid(row=6,column=0)
        gender=Label(reg_page,text='GENDER',font ="ar 15 bold",bg="orange").grid(row=7,column=0)
        p_number=Label(reg_page,text='PHONE NUMBER',font ="ar 15 bold",bg="orange").grid(row=9,column=0)
        war=Label(reg_page,text='first click on update button followed by submit button*',font ="ar 10 bold underline",bg="red").
    #variable for storing data
        f_nameval = StringVar()
        l_nameval = StringVar()
        emailval = StringVar()
        addval = StringVar()
        association_nameval  = StringVar()
        reason_to_joinval = StringVar()
        genderval = StringVar()
        p_numberval = StringVar()
    #viriable to store value for gender
        gen=IntVar()
    #creating entry field
        f_nameentry = Entry(reg_page , textvariable=f_nameval).grid(row=1,column=3)
        l_nameentry = Entry(reg_page , textvariable= l_nameval).grid(row=2,column=3)
        emailentry = Entry(reg_page , textvariable=emailval).grid(row=3,column=3)
        addentry = Entry(reg_page , textvariable=addval).grid(row=4,column=3)
        association_nameentry = Entry(reg_page , textvariable=association_nameval).grid(row=5,column=3)
        reason_to_joinentry = Entry(reg_page , textvariable=reason_to_joinval).grid(row=6,column=3)


    #radio button for gender
        gendermale = Radiobutton(reg_page,text='male',value=1,variable=gen).grid(row=7,column=3)
        grnderfemale= Radiobutton(reg_page,text='female',value=2,variable=gen).grid(row=7,column=4)
        grnderother= Radiobutton(reg_page,text='others',value=3,variable=gen).grid(row=7,column=5)
```



```
        grnderfemale= Radiobutton(reg_page,text='female',value=2,variable=gen).grid(row=7,column=4)
        grnderother= Radiobutton(reg_page,text='others',value=3,variable=gen).grid(row=7,column=5)

        p_numberentry = Entry(reg_page , textvariable= p_numberval).grid(row=9,column=3)
        Button(reg_page,text="submit",command=lambda:reg_page.destroy()).grid(row=11,column=2)
        Button(reg_page,text="update",command=on_click).grid(row=11,column=3)


        return True

    else:
        MessageBox.showinfo("","Incorrect username or password , Please enter correct username or password ")
        return False



root =Tk()


Label(root,text="login",font ="ar 25 bold underline ").grid(row=0,column=2)

umsid=Label(root,text='UMSID',font ="ar 15 bold",bg="orange").grid(row=1,column=0)
password=Label(root,text='PASSWORD',font ="ar 15 bold",bg="orange").grid(row=2,column=0)

umsidval = StringVar()
passwordval = StringVar()

umsidentry = Entry (root , textvariable=umsidval ).grid(row=1,column=3)
passwordentry = Entry (root , textvariable= passwordval,show="*").grid(row=2,column=3)

Button(text="login",command=login).grid(row=9,column=2)
```



Conclusions:-

It is our team's hope that this document will be of huge help with understanding of our little project as we have used a different approach which has proved beneficial for us and easy for us to understand the vast ocean that is mysql databases and python libraries .

REFRENCES:-

To conduct this project the following tools have been used :

- Jupyter notebook and Visual studio 2019
- Mysql(library)
- Tkinter(library)