

Source Code Of RMS Project

Login.py

```
from tkinter import*
from tkinter import ttk
from PIL import Image,ImageTk
from tkinter import messagebox
import random
import time
import datetime
import mysql.connector
import sqlite3

def main():
    win=Tk()
    app=Login_window(win)
    win.mainloop()

class Login_window:
    def __init__(self,root):
        self.root=root
        self.root.title("Login")
        self.root.geometry("1530x800+0+0")

        self.var_email=StringVar()

        self.bg=ImageTk.PhotoImage(file="images/image1.png")

        lbl_bg=Label(self.root,image=self.bg)
```

```

lbl_bg.place(x=0,y=0,relwidth=1,relheight=1)

frame=Frame(self.root,bg="black")
frame.place(x=610,y=170,width=340,height=500)

get_str=Label(frame,text="Login-Form",font=("times new
roman",20,"bold"),fg="white",bg="black")
get_str.place(x=95,y=50)

#Entry

username=lbl=Label(frame,text="UserName",font=("times new
roman",20,"bold"),fg="white",bg="black")
username.place(x=40,y=150)
self.txtuser=ttk.Entry(frame,font=("times new roman",15,"bold"))
self.txtuser.place(x=40,y=200,width=270)

password=lbl=Label(frame,text="Password",font=("times new
roman",20,"bold"),fg="white",bg="black")
password.place(x=40,y=245)
self.txtpass=ttk.Entry(frame,font=("times new roman",15,"bold"))
self.txtpass.place(x=40,y=290,width=270)

#=====Login-Button=====

loginbtn=Button(frame,command=self.login,text="Login",font=("times new
roman",15,"bold"),bd=3,relief=RIDGE,fg="white",bg="red")
loginbtn.place(x=110,y=340,width=120,height=35)

#=====register -Button=====

registerbtn=Button(frame,text="New User
Register",command=self.register_window,font=("times new
roman",10,"bold"),borderwidth=0,fg="white",bg="black")

```

```

registerbtn.place(x=15,y=390,width=160)

#====Forgot-Button=====

Forgotbtn=Button(frame,text="Forgot
Password",command=self.forgot_password_window,font=("times new
roman",10,"bold"),borderwidth=0,fg="white",bg="black")

Forgotbtn.place(x=10,y=420,width=160)

def register_window(self):

    self.new_window=Toplevel(self.root)

    self.app=Register(self.new_window)

def login(self):

    if self.txtuser.get()==" or self.txtpass.get()=="":

        messagebox.showerror("Error","All fields Are Required")

    elif self.txtuser.get()=="ansh" and self.txtpass.get()=="123":

        messagebox.showinfo("Success", "Wlecome to my world")

    else:

        conn=mysql.connector.connect(host="localhost",user="root",password="Ansh
@9026",database="my_data")

        my_cursor=conn.cursor()

        my_cursor.execute("select * from register where email=%s and
password=%s",(

                                self.txtuser.get(),

                                self.txtpass.get()

                                ))

        row=my_cursor.fetchone()

        if row==None:

            messagebox.showerror("Error","Invaild Username And Password")

```

```

else:
    open_main=messagebox.askyesno("YesNo","Access Only Admin")
    if open_main>0:
        self.new_window=Toplevel(self.root)
        self.app=RMS(self.new_window)
    else:
        if not open_main:
            return
    conn.commit()
    conn.close()

#=====reset pass=====

def reset_pass(self):
    if self.combo_security_Q.get()=="Select":
        messagebox.showerror('Error',"Select Security Question",parent=self.root2)
    elif self.txt_security.get()=="":
        messagebox.showerror("Error","Please enter the answer",parent=self.root2)
    elif self.txt_new_password.get()=="":
        messagebox.showerror("Error","Please Enter the New
PAssword",parent=self.root2)
    else:
        conn=mysql.connector.connect(host="localhost",user="root",password="Ansh
@9026",database="my_data")
        my_cursor=conn.cursor()
        qury=("select * from register where email=%s and securityQ=%s and
securityA=%s")
        value=(self.txtuser.get(),self.combo_security_Q.get(),self.txt_security.get(),)
        my_cursor.execute(qury,value)
        row=my_cursor.fetchone()
        if row==None:
            messagebox.showerror("Error","Please Enter the Correct
Answer",parent=self.root2)

```

```

else:
    query=("update register set password=%s where email=%s")
    value=(self.txt_new_password.get(),self.txtuser.get())
    my_cursor.execute(query,value)

    conn.commit()
    conn.close()

    messagebox.showinfo("Info","Your password has been reset, please login
new password",parent=self.root2)
    self.root2.destroy()

#====forgot password window=====

def forgot_password_window(self):
    if self.txtuser.get()=="":
        messagebox.showerror("Error","Please Enter The Email Address To Reset
Password")
    else:
        conn=mysql.connector.connect(host="localhost",user="root",password="Ansh
@9026",database="my_data")
        my_cursor=conn.cursor()
        query=("select * from register where email=%s")
        value=(self.txtuser.get(),)
        my_cursor.execute(query,value)
        row=my_cursor.fetchone()
        #print(row)

    if row == None:
        messagebox.showerror("My Error","Please Enter the Vaild Username")

```

```
else:

    conn.close()

    self.root2=Toplevel()

    self.root2.title("Forgot Password")

    self.root2.geometry("340x450+610+170")


    l=Label(self.root2,text="Forgot Password",font=("times new
roman",15,"bold"),fg="red",bg="white")

    l.place(x=0,y=10,relwidth=1)


    security_Q=Label(self.root2,text="Security Question",font=("times new
roman",15,"bold"),bg="white")

    security_Q.place(x=50,y=80)


    self.combo_security_Q=ttk.Combobox(self.root2,font=("time new
roman",15,"bold"),state="readonly")

    self.combo_security_Q["values"]=("Select","Your Birth Place", "Your
Girlfriend Name", "Your Pet Name")

    self.combo_security_Q.place(x=50,y=110,width=250)

    self.combo_security_Q.current(0)


    security_A=Label(self.root2,text="Security Answer",font=("times new
roman",15,"bold"),bg="white")

    security_A.place(x=50,y=150)


    self.txt_security=ttk.Entry(self.root2,font=("times new roman",15,"bold"))

    self.txt_security.place(x=50,y=180,width=250)


    new_password=Label(self.root2,text="New Password",font=("times new
roman",15,"bold"),bg="white")

    new_password.place(x=50,y=220)
```

```
        self.txt_new_password=ttk.Entry(self.root2,font=("times new  
roman",15,"bold"))
```

```
        self.txt_new_password.place(x=50,y=250,width=250)
```

```
        btn=Button(self.root2,text="Reset",command=self.reset_pass,font=("times  
new roman",15,"bold"),fg="white",bg="green")
```

```
        btn.place(x=150,y=290)
```

```
class Register:
```

```
    def __init__(self,root):
```

```
        self.root=root
```

```
        self.root.title("Register")
```

```
        self.root.geometry("1530x800+0+0")
```

```
        #=====variables=====
```

```
        self.var_fname=StringVar()
```

```
        self.var_lname=StringVar()
```

```
        self.var_contact=StringVar()
```

```
        self.var_email=StringVar()
```

```
        self.var_securityQ=StringVar()
```

```
        self.var_SecurityA=StringVar()
```

```

self.var_pass=StringVar()
self.var_confpas=StringVar()


#=====background image=====
self.bg=ImageTk.PhotoImage(file="images/image1.png")
lbl_bg=Label(self.root,image=self.bg)
lbl_bg.place(x=0,y=0,relwidth=1,relheight=1)
#===== left image=====
self.bg1=ImageTk.PhotoImage(file="images/side.png")
left_lbl=Label(self.root,image=self.bg1)
left_lbl.place(x=150,y=100,width=410,height=500)
frame=Frame(self.root,bg="white")
frame.place(x=560,y=100,width=800,height=500)
#=====Main Frame=====
register_lbl=Label(frame,text="REGISTER HERE",font=("times new
roman",20,"bold"),fg="green",bg="white")
register_lbl.place(x=20,y=20)
#=====Entry field=====

fname=Label(frame,text="First Name",font=("times new
roman",15,"bold"),bg="white")
fname.place(x=50,y=100)

self.fname_entry=ttk.Entry(frame,textvariable=self.var_fname,font=("times new
roman",15))
self.fname_entry.place(x=50,y=130,width=250)

```



```
L_name=Label(frame,text="Last Name",font=("times new roman",15,"bold"),bg="white")
```

```
L_name.place(x=370,y=100)
```

```
self.txt_lname=ttk.Entry(frame,textvariable=self.var_lname,font=("times new roman",15,))
```

```
self.txt_lname.place(x=370,y=130,width=250)
```

```
contact=Label(frame,text="Contact No",font=("times new roman",15,"bold"),bg="white")
```

```
contact.place(x=50,y=170)
```

```
self.txt_contact=ttk.Entry(frame,textvariable=self.var_contact,font=("times new roman",15,"bold"))
```

```
self.txt_contact.place(x=50,y=200,width=250)
```

```
email=Label(frame,text="Email",font=("times new roman",15,"bold"),bg="white")
```

```
email.place(x=370,y=170)
```

```
self.txt_email=ttk.Entry(frame,textvariable=self.var_email,font=("times new roman",15,"bold"))
```

```
self.txt_email.place(x=370,y=200,width=250)
```

```
security_Q=Label(frame,text="Security Question",font=("times new roman",15,"bold"),bg="white")
```

```
security_Q.place(x=50,y=240)
```

```
self.combo_security_Q=ttk.Combobox(frame,textvariable=self.var_securityQ,font=("time new roman",15,"bold"),state="readonly")
```

```
self.combo_security_Q["values"]=("Select","Your Birth Place", "Your Girlfriend Name", "Your Pet Name")
```

```
self.combo_security_Q.place(x=50,y=270,width=250)
```

```
self.combo_security_Q.current(0)
```

```
security_A=Label(frame,text="Security Answer",font=("times new  
roman",15,"bold"),bg="white")
```

```
security_A.place(x=370,y=240)
```

```
self.txt_security=ttk.Entry(frame,textvariable=self.var_SecurityA,font=("times  
new roman",15,"bold"))
```

```
self.txt_security.place(x=370,y=270,width=250)
```

```
pswd=Label(frame,text="Password",font=("times new  
roman",15,"bold"),bg="white")
```

```
pswd.place(x=50,y=310)
```

```
self.txt_pswd=ttk.Entry(frame,textvariable=self.var_pass,font=("times new  
roman",15,"bold"))
```

```
self.txt_pswd.place(x=50,y=340,width=250)
```

```
confirm_pswd=Label(frame,text="Confirm Password",font=("times new  
roman",15,"bold"),bg="white")
```

```
confirm_pswd.place(x=370,y=310)
```

```
self.txt_confirm_pswd=ttk.Entry(frame,textvariable=self.var_confpass,font=("tim  
es new roman",15,"bold"))
```

```
self.txt_confirm_pswd.place(x=370,y=340,width=250)
```

```
#=====Check Button=====
```

```
self.var_check=IntVar()
```

```
checkbtn=Checkbutton(frame,variable=self.var_check,text="I Agree The Terms &  
Condition",font=("times new roman",12,"bold"),onvalue=1,offvalue=0)
```

```
checkbtn.place(x=50,y=380)
```

```

#=====button=====

img=Image.open("images/register.png")
img=img.resize((200,50),Image.ANTIALIAS)
self.photoimage=ImageTk.PhotoImage(img)

b1=Button(frame,image=self.photoimage,command=self.register_data,borderwidth=0,cursor="hand2",font=("times new roman",12,"bold"))
b1.place(x=50,y=420,width=200)


img1=Image.open("images/login.png")
img1=img1.resize((200,50),Image.ANTIALIAS)
self.photoimage1=ImageTk.PhotoImage(img1)

b1=Button(frame,image=self.photoimage1,command=self.return_login,borderwidth=0,cursor="hand2",font=("times new roman",12,"bold"))
b1.place(x=370,y=420,width=200)


#=====function=====

def register_data(self):
    if self.var_fname.get()=="or self.var_email.get()=="or self.var_securityQ.get()=="Select":
        messagebox.showerror("Error","All fields are required")
    elif self.var_pass.get()!=self.var_confpass.get():
        messagebox.showerror("Error","password & confirm password must be same ")
    elif self.var_check.get()==0:
        messagebox.showerror("Error","Please agree our terms and conditions")
    else:
        conn=mysql.connector.connect(host="localhost",user="root",password="Ansh@9026",database="my_data")
        my_cursor=conn.cursor()
        query=("select * from register where email=%s")

```

```

        value=(self.var_email.get(),)
        my_cursor.execute(query,value)
        row=my_cursor.fetchone()
        if row!=None:
            messagebox.showerror("Error","User Already Exist, Please try another
email")
        else:
            my_cursor.execute("insert into register values(%s,%s,%s,%s,%s,%s,%s)",(
                self.var_fname.get(),
                self.var_lname.get(),
                self.var_contact.get(),
                self.var_email.get(),
                self.var_securityQ.get(),
                self.var_SecurityA.get(),
                self.var_pass.get()

                ))

            conn.commit()
            conn.close()
            messagebox.showinfo("Success","Register Successfully")

    def return_login(self):
        self.root.destroy()

class RMS:

    def __init__(self,root):
        self.root=root

```

```

self.root.title("Student Result Management System")

self.root.geometry("1550x700+0+0")

self.root.config(bg="white")


#====icons=====

self.logo_dash=ImageTk.PhotoImage(file="images/logo_p.png")


#====title=====

title=Label(self.root,text="Student Result Management
System",padx=10,compound=LEFT,image=self.logo_dash,font=("goudy old
style",20,"bold"),bg="#033054",fg="white").place(x=0,y=0,relwidth=1,height=50)


#=====Menu=====

M_Frame=LabelFrame(self.root,text="Menus",font=("times new
roman",15),bg="white")

M_Frame.place(x=10,y=70,width=1540,height=80)


btn_course=Button(M_Frame,text="Course",font=("goudy old
style",15,"bold"),bg="#0b5377",fg="white",cursor="hand2",command=self.add_course).
place(x=20,y=5,width=200,height=40)


btn_student=Button(M_Frame,text="Student",font=("goudy old
style",15,"bold"),bg="#0b5377",fg="white",cursor="hand2",command=self.add_student)
.place(x=440,y=5,width=200,height=40)


btn_result=Button(M_Frame,text="Result",font=("goudy old
style",15,"bold"),bg="#0b5377",fg="white",cursor="hand2",command=self.add_result).p
lace(x=900,y=5,width=200,height=40)


btn_view=Button(M_Frame,text="ViewStudent Result",font=("goudy old
style",15,"bold"),bg="#0b5377",fg="white",cursor="hand2",command=self.add_report).
place(x=1280,y=5,width=200,height=40)


#====Content window=====

self.bg_img=Image.open("images/bg.png")

self.bg_img=self.bg_img.resize((1520,350),Image.ANTIALIAS)

self.bg_img=ImageTk.PhotoImage(self.bg_img)

```

```
self.lbl_bg=Label(self.root,image=self.bg_img).place(x=320,y=200,width=920,height=350)
```

```
#=====footer=====
```

```
footer=Label(self.root,text="SRMS-Student Result Management System\nContact Us for any Issue: 9026049848\n @Ansh | All Rights Reserved",font=("goudy old style",12,),bg="#262626",fg="white").pack(side=BOTTOM,fill=X)
```

```
def add_course(self):
```

```
    self.new_win=Toplevel(self.root)
```

```
    self.new_obj=CourseClass(self.new_win)
```

```
def add_student(self):
```

```
    self.new_win=Toplevel(self.root)
```

```
    self.new_obj=studentClass(self.new_win)
```

```
def add_result(self):
```

```
    self.new_win=Toplevel(self.root)
```

```
    self.new_obj=resultClass(self.new_win)
```

```
def add_report(self):
```

```
    self.new_win=Toplevel(self.root)
```

```
    self.new_obj=reportClass(self.new_win)
```

```

class resultClass:
    def __init__(self,root):
        self.root=root
        self.root.title("Student Result Management System")
        self.root.geometry("1200x480+80+170")
        self.root.config(bg="white")
        self.root.focus_force()

        #=====title=====

        title=Label(self.root,text="Add Student Result",font=("goudy old
style",20,"bold"),bg="orange",fg="#262626").place(x=10,y=15,width=1180,height=50)

        #=====widgets=====

        #=====variables=====

        self.var_roll=StringVar()
        self.var_name=StringVar()
        self.var_course=StringVar()
        self.var_marks=StringVar()
        self.var_full_marks=StringVar()

        self.roll_list=[]

        self.fetch_roll()


        lbl_select=Label(self.root,text="Select Student", font=("goudy old
style",20,"bold"),bg="white").place(x=50,y=100)

        lbl_name=Label(self.root,text="Name", font=("goudy old
style",20,"bold"),bg="white").place(x=50,y=160)

        lbl_course=Label(self.root,text="Course", font=("goudy old
style",20,"bold"),bg="white").place(x=50,y=220)

        lbl_marks_ob=Label(self.root,text="Marks Obtained", font=("goudy old
style",20,"bold"),bg="white").place(x=50,y=280)

        lbl_full_marks=Label(self.root,text="Full Marks", font=("goudy old
style",20,"bold"),bg="white").place(x=50,y=340)

```

```
self.txt_student=ttk.Combobox(self.root,textvariable=self.var_roll,values=self.roll_list, font=("goudy old style",15,'bold'),state='readonly',justify=CENTER)
```

```
self.txt_student.place(x=280,y=100,width=200)
```

```
self.txt_student.set("Select")
```

```
btn_search=Button(self.root,text='Search',font=("goudy old style",15,"bold"),bg="#03a9f4",fg="white",cursor="hand2",command=self.search).place(x=500,y=100,width=100,height=28)
```

```
txt_name=Entry(self.root,textvariable=self.var_name, font=("goudy old style",20,'bold'),bg='lightyellow',state='readonly').place(x=280,y=160,width=320)
```

```
txt_course=Entry(self.root,textvariable=self.var_course, font=("goudy old style",20,'bold'),bg='lightyellow',state='readonly').place(x=280,y=220,width=320)
```

```
txt_marks=Entry(self.root,textvariable=self.var_marks, font=("goudy old style",20,'bold'),bg='lightyellow').place(x=280,y=280,width=320)
```

```
txt_full_marks=Entry(self.root,textvariable=self.var_full_marks, font=("goudy old style",20,'bold'),bg='lightyellow').place(x=280,y=340,width=320)
```

```
#=====button=====
```

```
btn_add=Button(self.root,text="Submit",font=("times new roman",15),bg="lightgreen",activebackground="lightgreen",cursor="hand2",command=self.add).place(x=300,y=420,width=120,height=35)
```

```
btn_clear=Button(self.root,text="Clear",font=("times new roman",15),bg="lightgray",activebackground="lightgray",cursor="hand2",command=self.clear).place(x=430,y=420,width=120,height=35)
```

```
#=====image=====
```

```
self.bg_img=Image.open("images/result.jpg")
```

```
self.bg_img=self.bg_img.resize((500,350),Image.ANTIALIAS)
```

```
self.bg_img=ImageTk.PhotoImage(self.bg_img)
```

```
self.lbl_bg=Label(self.root,image=self.bg_img).place(x=650,y=100)
```

```
#=====
```



```

def fetch_roll(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        cur.execute("select roll from student")
        rows=cur.fetchall()
        if len(rows)>0:
            for row in rows:
                self.roll_list.append(row[0])
    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")

def search(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        cur.execute(f"select name,course from student where
roll=?", (self.var_roll.get(),))
        row=cur.fetchone()
        if row!=None:
            self.var_name.set(row[0])
            self.var_course.set(row[1])
        else:
            messagebox.showerror("Error","No record found",parent=self.root)

    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")

def add(self):

```

```

con=sqlite3.connect(database="rms.db")
cur=con.cursor()
try:
    if self.var_name.get()=="":
        messagebox.showerror("Error","please first search student
record",parent=self.root)
    else:
        cur.execute("select * from result where roll=? and
course=?",(self.var_roll.get(),self.var_course.get(),))
        row=cur.fetchone()
        print(row)
        if row!=None:
            messagebox.showerror("Error","Result already
avilable",parent=self.root)
        else:
            per=(int(self.var_marks.get()*100)/int(self.var_full_marks.get()))
            cur.execute("insert into
result(roll,name,course,maks_ob,full_marks,per) values(?,?,?,?,?)",(
                self.var_roll.get(),
                self.var_name.get(),
                self.var_course.get(),
                self.var_marks.get(),
                self.var_full_marks.get(),
                str(per)
            ))
            con.commit()
            messagebox.showinfo("Success","Result Added
Successfully",parent=self.root)
except Exception as ex:
    messagebox.showerror("Error",f"Error due to {str(ex)}")

```

```

def clear(self):
    self.var_roll.set("Select"),
    self.var_name.set(""),
    self.var_course.set(""),
    self.var_marks.set(""),
    self.var_full_marks.set("")

class CourseClass:
    def __init__(self,root):
        self.root=root

        self.root.title("Student Result Management System")
        self.root.geometry("1200x480+80+170")
        self.root.config(bg="white")
        self.root.focus_force()

        #=====title=====

        title=Label(self.root,text="Manage Course Details",font=("goudy old
style",20,"bold"),bg="#033054",fg="white").place(x=10,y=15,width=1180,height=35)

        #=====Variables=====

        self.var_course=StringVar()
        self.var_duration=StringVar()
        self.var_charges=StringVar()


        #=====Widgets =====

        lbl_courseName=Label(self.root,text="Course Name", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=60)

        lbl_duration=Label(self.root,text="Duration", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=100)

        lbl_charges=Label(self.root,text="Charges", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=140)

```

```
lbl_description=Label(self.root,text="Description", font=("goudy old  
style",15,'bold'),bg='white').place(x=10,y=180)
```

```
#=====Entry Fields=====
```

```
self.txt_courseName=Entry(self.root,textvariable=self.var_course, font=("goudy  
old style",15,'bold'),bg='lightyellow')
```

```
self.txt_courseName.place(x=150,y=60,width=200)
```

```
txt_duration=Entry(self.root,textvariable=self.var_duration,font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=150,y=100,width=200)
```

```
txt_charges=Entry(self.root,textvariable=self.var_charges, font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=150,y=140,width=200)
```

```
self.txt_description=Text(self.root, font=("goudy old  
style",15,'bold'),bg='lightyellow')
```

```
self.txt_description.place(x=150,y=180,width=500,height=130)
```

```
#=====Buttons=====
```

```
self.btn_add=Button(self.root,text='Save',font=("goudy old  
style",15,"bold"),bg="#2196f3",fg="white",cursor="hand2",command=self.add)
```

```
self.btn_add.place(x=150,y=400,width=110,height=40)
```

```
self.btn_update=Button(self.root,text='Update',font=("goudy old  
style",15,"bold"),bg="#4caf50",fg="white",cursor="hand2",command=self.update)
```

```
self.btn_update.place(x=270,y=400,width=110,height=40)
```

```
self.btn_delete=Button(self.root,text='Delete',font=("goudy old  
style",15,"bold"),bg="#f44336",fg="white",cursor="hand2",command=self.delete)
```

```
self.btn_delete.place(x=390,y=400,width=110,height=40)
```

```
self.btn_clear=Button(self.root,text='Clear',font=("goudy old  
style",15,"bold"),bg="#607d8b",fg="white",cursor="hand2",command=self.clear)
```

```
self.btn_clear.place(x=510,y=400,width=110,height=40)
```

```
#=====Search Panel=====
```

```
self.var_search=StringVar()
```

```
lbl_search_courseName=Label(self.root,text=" Course Name ", font=("goudy old style",15,'bold'),bg='white').place(x=720,y=60)
```

```
txt_search_courseName=Entry(self.root,textvariable=self.var_search, font=("goudy old style",15,'bold'),bg='lightyellow').place(x=870,y=60,width=180)
```

```
btn_search=Button(self.root,text='Search',font=("goudy old style",15,"bold"),bg="#03a9f4",fg="white",cursor="hand2",command=self.search).place(x=1070,y=60,width=120,height=28)
```

```
#=====content=====
```

```
self.C_Frame=Frame(self.root,bd=2,relief=RIDGE)
```

```
self.C_Frame.place(x=720,y=100,width=470,height=340)
```

```
scrolly=Scrollbar(self.C_Frame,orient=VERTICAL)
```

```
scrollx=Scrollbar(self.C_Frame,orient=HORIZONTAL)
```

```
self.CourseTable=ttk.Treeview(self.C_Frame,columns=("cid","name","duration","charges","description"),xscrollcommand=scrollx.set,yscrollcommand=scrolly.set)
```

```
scrollx.pack(side=BOTTOM,fill=X)
```

```
scrolly.pack(side=RIGHT,fill=Y)
```

```
scrollx.config(command=self.CourseTable.xview)
```

```
scrolly.config(command=self.CourseTable.yview)
```

```
self.CourseTable.heading("cid",text="Course ID")
```

```
self.CourseTable.heading("name",text="Name")
```

```
self.CourseTable.heading("duration",text=" Duration")
```

```
self.CourseTable.heading("charges",text=" Charges")
```

```
self.CourseTable.heading("description",text="Description")
```

```
self.CourseTable["show"]='headings'
```

```
self.CourseTable.column("cid",width=100)
```

```
self.CourseTable.column("name",width=100)
```

```
self.CourseTable.column("duration",width=100)
```

```
self.CourseTable.column("charges",width=100)
self.CourseTable.column("description",width=150)
self.CourseTable.pack(fill=BOTH,expand=1)
self.CourseTable.bind("<ButtonRelease-1>",self.get_data)
self.show()
```

```
#=====
```

```
def clear(self):
    self.show()
    self.var_course.set("")
    self.var_duration.set("")
    self.var_charges.set("")
    self.var_search.set("")
    self.txt_description.delete('1.0',END)
    self.txt_courseName.config(state=NORMAL)
def delete(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        if self.var_course.get()=="":
            messagebox.showerror("Error","Course Name should be
required",parent=self.root)
        else:
            cur.execute("select * from course where name=?", (self.var_course.get(),))
            row=cur.fetchone()
            print(row)
            if row==None:
                messagebox.showerror("Error","please select course from list
",parent=self.root)
```

```

        else:

            op=messagebox.askyesno("Confirm","Do you really want to
delete?",parent=self.root)

            if op==True:

                cur.execute("delete from course where
name=?", (self.var_course.get(),))

                con.commit()

                messagebox.showinfo("Delete","Course deleted
Successfully",parent=self.root)

                self.clear()

    except Exception as ex:

        messagebox.showerror("Error",f"Error due to {str(ex)}")

```

```

def get_data(self,ev):

    self.txt_courseName.config(state='readonly')

    self.txt_courseName

    r=self.CourseTable.focus()

    content=self.CourseTable.item(r)

    row=content["values"]

    #print(row)

    self.var_course.set(row[1])

    self.var_duration.set(row[2])

    self.var_charges.set(row[3])

    #self.var_course.set(row[4])

    self.txt_description.delete('1.0',END)

    self.txt_description.insert(END,row[4])

```

```

def add(self):

```

```

con=sqlite3.connect(database="rms.db")
cur=con.cursor()
try:
    if self.var_course.get()=="":
        messagebox.showerror("Error","Course Name should be
required",parent=self.root)
    else:
        cur.execute("select * from course where name=?", (self.var_course.get(),))
        row=cur.fetchone()
        print(row)
        if row!=None:
            messagebox.showerror("Error","Course Name already
avilable",parent=self.root)
        else:
            cur.execute("insert into course(name,duration,charges,description)
values(?,?,?,?)",(
                self.var_course.get(),
                self.var_duration.get(),
                self.var_charges.get(),
                self.txt_description.get("1.0",END)
            ))
            con.commit()
            messagebox.showinfo("Success","Course Added
Successfully",parent=self.root)
            self.show()
except Exception as ex:
    messagebox.showerror("Error",f"Error due to {str(ex)}")

def update(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()

```



```

try:
    if self.var_course.get()=="":
        messagebox.showerror("Error","Course Name should be
required",parent=self.root)
    else:
        cur.execute("select * from course where name=?", (self.var_course.get(),))
        row=cur.fetchone()
        print(row)
        if row==None:
            messagebox.showerror("Error","Select Course from
list",parent=self.root)
        else:
            cur.execute("update course set
duration=?,charges=?,description=?where name=?", (
                self.var_duration.get(),
                self.var_charges.get(),
                self.txt_description.get("1.0",END),
                self.var_course.get()
            ))
            con.commit()
            messagebox.showinfo("Success","Course update
Successfully",parent=self.root)
            self.show()
except Exception as ex:
    messagebox.showerror("Error",f"Error due to {str(ex)}")

def show(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        cur.execute("select * from course ")

```

```

        rows=cur.fetchall()
        self.CourseTable.delete(*self.CourseTable.get_children())
        for row in rows:
            self.CourseTable.insert("",END,values=row)

except Exception as ex:
    messagebox.showerror("Error",f"Error due to {str(ex)}")

def search(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        cur.execute(f"select * from course where name LIKE
        %{self.var_search.get()}%")
        rows=cur.fetchall()
        self.CourseTable.delete(*self.CourseTable.get_children())
        for row in rows:
            self.CourseTable.insert("",END,values=row)

except Exception as ex:
    messagebox.showerror("Error",f"Error due to {str(ex)}")

class reportClass:
    def __init__(self,root):
        self.root=root
        self.root.title("Student Result Management System")
        self.root.geometry("1200x480+80+170")
        self.root.config(bg="white")
        self.root.focus_force()
        #=====title=====

```

```

        title=Label(self.root,text="View Student Result",font=("goudy old
style",20,"bold"),bg="orange",fg="#262626").place(x=10,y=15,width=1180,height=50)

        #=====search=====

        self.var_search=StringVar()

        self.var_id=""

        lbl_search=Label(self.root,text="Search by roll no.", font=("goudy old
style",20,"bold"),bg="white").place(x=280,y=100)

        txt_search=Entry(self.root,textvariable=self.var_search, font=("goudy old
style",20),bg="lightyellow").place(x=520,y=100,width=150)

        btn_search=Button(self.root,text='Search',font=("goudy old
style",15,"bold"),bg="#03a9f4",fg="white",cursor="hand2",command=self.search).plac
e(x=680,y=100,width=100,height=35)

        btn_clear=Button(self.root,text='clear',font=("goudy old
style",15,"bold"),bg="gray",fg="white",cursor="hand2",command=self.clear).place(x=80
0,y=100,width=100,height=35)

        #=====results_label=====

        lbl_roll=Label(self.root,text="Roll No",font=("goudy old
style",15,"bold"),bg="white",bd=2,relief=GROOVE).place(x=150,y=230,width=150,height=5
0)

        lbl_name=Label(self.root,text="Name",font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GROOVE).place(x=300,y=230,width=150,height=5
0)

        lbl_course=Label(self.root,text="Course",font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GROOVE).place(x=450,y=230,width=150,height=5
0)

        lbl_marks=Label(self.root,text="Marks Obtained",font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GROOVE).place(x=600,y=230,width=150,height=5
0)

        lbl_full=Label(self.root,text="Total Marks",font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GROOVE).place(x=750,y=230,width=150,height=5
0)

        lbl_per=Label(self.root,text="Percentage",font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GROOVE).place(x=900,y=230,width=150,height=5
0)

```

```

        self.roll=Label(self.root,font=("goudy old
style",15,"bold"),bg="white",bd=2,relief=GR00VE)

        self.roll.place(x=150,y=280,width=150,height=50)

        self.name=Label(self.root,font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GR00VE)

        self.name.place(x=300,y=280,width=150,height=50)

        self.course=Label(self.root,font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GR00VE)

        self.course.place(x=450,y=280,width=150,height=50)

        self.marks=Label(self.root,font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GR00VE)

        self.marks.place(x=600,y=280,width=150,height=50)

        self.full=Label(self.root,font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GR00VE)

        self.full.place(x=750,y=280,width=150,height=50)

        self.per=Label(self.root,font=("goudy old
style",15,'bold'),bg="white",bd=2,relief=GR00VE)

        self.per.place(x=900,y=280,width=150,height=50)


        #=====button delete=====

        btn_delete=Button(self.root,text='Delete',font=("goudy old
style",15,"bold"),bg="red",fg="white",cursor="hand2",command=self.delete).place(x=50
0,y=350,width=150,height=35)


        #=====
=====

    def search(self):

        con=sqlite3.connect(database="rms.db")

        cur=con.cursor()

        try:

            if self.var_search.get()=="":

                messagebox.showerror("Error","Roll no should be
required",parent=self.root)

```

else:

```
cur.execute(f"select * from result where roll=?", (self.var_search.get(),))
```

```
row=cur.fetchone()
```

if row!=None:

```
self.var_id=row[0]
```

```
self.roll.config(text=row[1])
```

```
self.name.config(text=row[2])
```

```
self.course.config(text=row[3])
```

```
self.marks.config(text=row[4])
```

```
self.full.config(text=row[5])
```

```
self.per.config(text=row[6])
```

else:

```
messagebox.showerror("Error","No record found",parent=self.root)
```

except Exception as ex:

```
messagebox.showerror("Error",f"Error due to {str(ex)}")
```

def clear(self):

```
self.var_id=""
```

```
self.roll.config(text="")
```

```
self.name.config(text="")
```

```
self.course.config(text="")
```

```
self.marks.config(text="")
```

```
self.full.config(text="")
```

```
self.per.config(text="")
```

```
self.var_search.set("")
```

```

def delete(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        if self.var_id=="":
            messagebox.showerror("Error","Search Student result
first",parent=self.root)
        else:
            cur.execute("select * from result where rid=?", (self.var_id,))
            row=cur.fetchone()
            print(row)
            if row==None:
                messagebox.showerror("Error","Invaild Student result
",parent=self.root)
            else:
                op=messagebox.askyesno("Confirm","Do you really want to
delete?",parent=self.root)
                if op==True:
                    cur.execute("delete from result where rid=?", (self.var_id,))
                    con.commit()
                    messagebox.showinfo("Delete","Result deleted
Successfully",parent=self.root)
                    self.clear()

    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")

class studentClass:
    def __init__(self,root):
        self.root=root
        self.root.title("Student Result Management System")

```

```

self.root.geometry("1200x480+80+170")
self.root.config(bg="white")
self.root.focus_force()

#=====title=====

title=Label(self.root,text="Manage Student Details",font=("goudy old
style",20,"bold"),bg="#033054",fg="white").place(x=10,y=15,width=1180,height=35)

#=====Variables=====

self.var_roll=StringVar()
self.var_name=StringVar()
self.var_email=StringVar()
self.var_gender=StringVar()
self.var_dob=StringVar()
self.var_contact=StringVar()
self.var_course=StringVar()
self.var_a_date=StringVar()
self.var_state=StringVar()
self.var_city=StringVar()
self.var_pin=StringVar()


#=====Widgets =====

#=====column 1 =====

lbl_roll=Label(self.root,text="Roll No.", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=60)

lbl_Name=Label(self.root,text="Name", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=100)

lbl_Email=Label(self.root,text="Email", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=140)

lbl_gender=Label(self.root,text="Gender", font=("goudy old
style",15,'bold'),bg='white').place(x=10,y=180)

```

```
lbl_state=Label(self.root,text="State", font=("goudy old  
style",15,'bold'),bg='white').place(x=10,y=220)
```

```
txt_state=Entry(self.root,textvariable=self.var_state, font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=150,y=220,width=150)
```

```
lbl_city=Label(self.root,text="City", font=("goudy old  
style",15,'bold'),bg='white').place(x=310,y=220)
```

```
txt_city=Entry(self.root,textvariable=self.var_city, font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=380,y=220,width=100)
```

```
lbl_pin=Label(self.root,text="Pin", font=("goudy old  
style",15,'bold'),bg='white').place(x=500,y=220)
```

```
txt_pin=Entry(self.root,textvariable=self.var_pin, font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=560,y=220,width=120)
```

```
lbl_address=Label(self.root,text="Address", font=("goudy old  
style",15,'bold'),bg='white').place(x=10,y=260)
```

```
#=====Entry Fields=====
```

```
self.txt_roll=Entry(self.root,textvariable=self.var_roll, font=("goudy old  
style",15,'bold'),bg='lightyellow')
```

```
self.txt_roll.place(x=150,y=60,width=200)
```

```
txt_name=Entry(self.root,textvariable=self.var_name,font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=150,y=100,width=200)
```

```
txt_email=Entry(self.root,textvariable=self.var_email, font=("goudy old  
style",15,'bold'),bg='lightyellow').place(x=150,y=140,width=200)
```

```
self.txt_gender=ttk.Combobox(self.root,textvariable=self.var_gender,values=("Se  
lect","Male","Female","Other"), font=("goudy old  
style",15,'bold'),state='readonly',justify=CENTER)
```

```
self.txt_gender.place(x=150,y=180,width=200)
```

```
self.txt_gender.current(0)
```



```

#=====column 2=====

lbl_dob=Label(self.root,text="D.O.B", font=("goudy old
style",15,'bold'),bg='white').place(x=360,y=60)

lbl_contact=Label(self.root,text="Contact", font=("goudy old
style",15,'bold'),bg='white').place(x=360,y=100)

lbl_admission=Label(self.root,text="Admission", font=("goudy old
style",15,'bold'),bg='white').place(x=360,y=140)

lbl_course=Label(self.root,text="Course", font=("goudy old
style",15,'bold'),bg='white').place(x=360,y=180)

#=====Entry Fields2=====

self.course_list=[]

#function_call to update to the list

self.fetch_course()

txt_dob=Entry(self.root,textvariable=self.var_dob, font=("goudy old
style",15,'bold'),bg='lightyellow').place(x=480,y=60,width=200)

txt_contact=Entry(self.root,textvariable=self.var_contact,font=("goudy old
style",15,'bold'),bg='lightyellow').place(x=480,y=100,width=200)

txt_admission=Entry(self.root,textvariable=self.var_a_date, font=("goudy old
style",15,'bold'),bg='lightyellow').place(x=480,y=140,width=200)

self.txt_course=ttk.Combobox(self.root,textvariable=self.var_course,values=self.
course_list, font=("goudy old style",15,'bold'),state='readonly',justify=CENTER)

self.txt_course.place(x=480,y=180,width=200)

self.txt_course.set("Select")

#=====Text Address=====

self.txt_address=Text(self.root, font=("goudy old style",15,'bold'),bg='lightyellow')
self.txt_address.place(x=150,y=260,width=540,height=100)

#=====Buttons=====

self.btn_add=Button(self.root,text='Save',font=("goudy old
style",15,"bold"),bg="#2196f3",fg="white",cursor="hand2",command=self.add)

```

```

self.btn_add.place(x=150,y=400,width=110,height=40)

self.btn_update=Button(self.root,text='Update',font=("goudy old
style",15,"bold"),bg="#4caf50",fg="white",cursor="hand2",command=self.update)

self.btn_update.place(x=270,y=400,width=110,height=40)

self.btn_delete=Button(self.root,text='Delete',font=("goudy old
style",15,"bold"),bg="#f44336",fg="white",cursor="hand2",command=self.delete)

self.btn_delete.place(x=390,y=400,width=110,height=40)

self.btn_clear=Button(self.root,text='Clear',font=("goudy old
style",15,"bold"),bg="#607d8b",fg="white",cursor="hand2",command=self.clear)

self.btn_clear.place(x=510,y=400,width=110,height=40)


#=====Search Panel=====

self.var_search=StringVar()

lbl_search_roll=Label(self.root,text="Roll No. ", font=("goudy old
style",15,'bold'),bg='white').place(x=720,y=60)

txt_search_roll=Entry(self.root,textvariable=self.var_search, font=("goudy old
style",15,'bold'),bg='lightyellow').place(x=870,y=60,width=180)

btn_search=Button(self.root,text='Search',font=("goudy old
style",15,"bold"),bg="#03a9f4",fg="white",cursor="hand2",command=self.search).plac
e(x=1070,y=60,width=120,height=28)


#=====content=====

self.C_Frame=Frame(self.root,bd=2,relief=RIDGE)

self.C_Frame.place(x=720,y=100,width=470,height=340)


scrolly=Scrollbar(self.C_Frame,orient=VERTICAL)

scrollx=Scrollbar(self.C_Frame,orient=HORIZONTAL)

self.CourseTable=ttk.Treeview(self.C_Frame,columns=("roll","name","email","gen
der","dob","contact","admission","course","state","city","pin","address"),xscrollcomma
nd=scrollx.set,yscrollcommand=scrolly.set)

scrollx.pack(side=BOTTOM,fill=X)

scrolly.pack(side=RIGHT,fill=Y)

```

```
scrollx.config(command=self.CourseTable.xview)
scrolly.config(command=self.CourseTable.yview)
```

```
self.CourseTable.heading("roll",text="Roll No")
self.CourseTable.heading("name",text="Name")
self.CourseTable.heading("email",text="Email")
self.CourseTable.heading("gender",text="Gender")
self.CourseTable.heading("dob",text="D.O.B")
self.CourseTable.heading("contact",text=" Contact")
self.CourseTable.heading("admission",text="Admission")
self.CourseTable.heading("course",text="Course")
self.CourseTable.heading("state",text="State")
self.CourseTable.heading("city",text="City")
self.CourseTable.heading("pin",text="PIN")
self.CourseTable.heading("address",text="Address")
self.CourseTable["show"]='headings'
self.CourseTable.column("roll",width=100)
self.CourseTable.column("name",width=100)
self.CourseTable.column("email",width=100)
self.CourseTable.column("gender",width=100)
self.CourseTable.column("dob",width=150)
self.CourseTable.column("contact",width=100)
self.CourseTable.column("admission",width=100)
self.CourseTable.column("course",width=100)
self.CourseTable.column("state",width=100)
self.CourseTable.column("city",width=100)
self.CourseTable.column("pin",width=100)
self.CourseTable.column("address",width=100)
self.CourseTable.pack(fill=BOTH,expand=1)
```

```
self.CourseTable.bind("<ButtonRelease-1>",self.get_data)
self.show()
```

```
#=====
```

```
def clear(self):
    self.show()
    self.var_roll.set(""),
    self.var_name.set(""),
    self.var_email.set(""),
    self.var_gender.set("Select"),
    self.var_dob.set(""),
    self.var_contact.set(""),
    self.var_a_date.set(""),
    self.var_course.set("Select"),
    self.var_state.set(""),
    self.var_city.set(""),
    self.var_pin.set(""),
    self.txt_address.delete("1.0",END)
    self.txt_roll.config(state=NORMAL)
    self.var_search.set("")
```

```
def delete(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
```

```

        if self.var_roll.get()=="":
            messagebox.showerror("Error","Roll No. should be
required",parent=self.root)
        else:
            cur.execute("select * from student where roll=?", (self.var_roll.get(),))
            row=cur.fetchone()
            print(row)
            if row==None:
                messagebox.showerror("Error","please select student from list
",parent=self.root)
            else:
                op=messagebox.askyesno("Confirm","Do you really want to
delete?",parent=self.root)
                if op==True:
                    cur.execute("delete from student where roll=?", (self.var_roll.get(),))
                    con.commit()
                    messagebox.showinfo("Delete","Student deleted
Successfully",parent=self.root)
                    self.clear()

```

except Exception as ex:

```

    messagebox.showerror("Error",f"Error due to {str(ex)}")

```

```

def get_data(self,ev):

```

```

    self.txt_roll.config(state='readonly')

```

```

    r=self.CourseTable.focus()

```

```

    content=self.CourseTable.item(r)

```

```

    row=content["values"]

```

```
self.var_roll.set(row[0]),
self.var_name.set(row[1]),
self.var_email.set(row[2]),
self.var_gender.set(row[3]),
self.var_dob.set(row[4]),
self.var_contact.set(row[5]),
self.var_a_date.set(row[6]),
self.var_course.set(row[7]),
self.var_state.set(row[8]),
self.var_city.set(row[9]),
self.var_pin.set(row[10]),
self.txt_address.delete("1.0",END)
self.txt_address.insert(END,row[11])
```

```
def add(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        if self.var_roll.get()=="":
            messagebox.showerror("Error","Roll No should be
required",parent=self.root)
        else:
            cur.execute("select * from student where roll=?", (self.var_roll.get(),))
            row=cur.fetchone()
            print(row)
            if row!=None:
                messagebox.showerror("Error","Roll No already
avilable",parent=self.root)
            else:
```

```

        cur.execute("insert into
student(roll,name,email,gender,dob,contact,admission,course,state,city,pin,address)
values(?,?,?,?,?,?,?,?,?,?,?)", (
            self.var_roll.get(),
            self.var_name.get(),
            self.var_email.get(),
            self.var_gender.get(),
            self.var_dob.get(),
            self.var_contact.get(),
            self.var_a_date.get(),
            self.var_course.get(),
            self.var_state.get(),
            self.var_city.get(),
            self.var_pin.get(),
            self.txt_address.get("1.0",END)
        ))
        con.commit()
        messagebox.showinfo("Success","Student Added
Successfully",parent=self.root)
        self.show()
    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")

def update(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        if self.var_roll.get()=="":
            messagebox.showerror("Error","Roll No should be
required",parent=self.root)
        else:

```

```

        cur.execute("select * from student where roll=?", (self.var_roll.get(),))
        row=cur.fetchone()
        print(row)
        if row==None:
            messagebox.showerror("Error","Select student from
list",parent=self.root)
        else:
            cur.execute("update student set
name=?,email=?,gender=?,dob=?,contact=?,admission=?,course=?,state=?,city=?,pin=?,a
ddress=? where roll=?", (
                self.var_name.get(),
                self.var_email.get(),
                self.var_gender.get(),
                self.var_dob.get(),
                self.var_contact.get(),
                self.var_a_date.get(),
                self.var_course.get(),
                self.var_state.get(),
                self.var_city.get(),
                self.var_pin.get(),
                self.txt_address.get("1.0",END),
                self.var_roll.get()
            ))
            con.commit()
            messagebox.showinfo("Success","Student update
Successfully",parent=self.root)
            self.show()
    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")

```



```
def show(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        cur.execute("select * from student ")
        rows=cur.fetchall()
        self.CourseTable.delete(*self.CourseTable.get_children())
        for row in rows:
            self.CourseTable.insert("",END,values=row)

    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")
```

```
def fetch_course(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
        cur.execute("select name from course")
        rows=cur.fetchall()
        if len(rows)>0:
            for row in rows:
                self.course_list.append(row[0])
    except Exception as ex:
        messagebox.showerror("Error",f"Error due to {str(ex)}")
```

```
def search(self):
    con=sqlite3.connect(database="rms.db")
    cur=con.cursor()
    try:
```

```
cur.execute(f"select * from student where roll=?", (self.var_search.get(),))
row=cur.fetchone()
if row!=None:
    self.CourseTable.delete(*self.CourseTable.get_children())
    self.CourseTable.insert("",END,values=row)
else:
    messagebox.showerror("Error","No record found",parent=self.root)

except Exception as ex:
    messagebox.showerror("Error",f"Error due to {str(ex)}")

if __name__ == "__main__":
    main()
```