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from tkinter import *
import tkinter.font as f
from tkinter import messagebox as m
import mysql.connector

mydb = mysql.connector.connect(
    host='localhost',
    user='root',
    password='',
    database='collage_1'
)
mycursor = mydb.cursor()

a=Tk()
a.title('STUDENT RECORD')
a.geometry('700x400')
a.resizable(0,0)

t=Text(a,width = 22,height=20,border=3,bg='yellow')
t.place(x=500,y=70)

f_1 = f.Font(family= 'Times New Roman',size=26,weight='bold')
f_2 = f.Font(family = 'Arial',size=16,weight='bold')

lbl_head = Label(a,text='STUDENT RECORD',fg='red',bg='white')
lbl_head.pack()
lbl_head['font'] = f_1

lbl_1 = Label(a,text='RollNo',fg='blue',font=('Arial',20)).place(x=50,y=100)
lbl_2 = Label(a,text='Name',fg='blue',font=('Arial',20)).place(x=50,y=150)

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lbl_3 = Label(a,text='Age',fg='blue',font=('Arial',20)).place(x=50,y=200)
lbl_4 = Label(a,text='City',fg='blue',font=('Arial',20)).place(x=50,y=250)

en_1 = Entry(a,border=2,font=('Arial',18),width=15)
en_2 = Entry(a,border=2,font=('Arial',18),width=15)
en_3 = Entry(a,border=2,font=('Arial',18),width=15)
en_4 = Entry(a,border=2,font=('Arial',18),width=15)
en_1.place(x=150,y=105)
en_2.place(x=150,y=155)
en_3.place(x=150,y=205)
en_4.place(x=150,y=255)
global stu
stu=[]
def find():
    global stu
    clr()
    le = len(stu)
    idno = Entry.get(en_1)
    mycursor.execute('select * from student where idno = {}'.format(idno))
    for i in mycursor:
        t.insert(INSERT,i)
        clear()
def delete():
    global stu
    clr()
    idno = Entry.get(en_1)
    mycursor.execute("delete from student where idno = {}".format(idno) )
    mydb.commit()
    li = len(stu)
    for i in range(li):

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        if stu[i][0] == idno:
            stu.pop(i)
            m.showinfo('Deleted',f'{rollno} Deleted')
            break
    clear()
def show():
    clr()
    mycursor.execute('select * from student')
    res=mycursor.fetchall()
    for i in res:
        print(i)
        t.insert(INSERT,i)
        t.insert(INSERT,"\n")
    clear()
def clear():
    en_1.delete(0,END)
    en_2.delete(0,END)
    en_3.delete(0,END)
    en_4.delete(0,END)
def process():
    idno = Entry.get(en_1)
    name = Entry.get(en_2)
    age = Entry.get(en_3)
    city = Entry.get(en_4)
    rec=[idno,name,age,city]
    stu.append(rec)
    print(stu)
    print("\n")
    t.insert(INSERT,stu)
    #mycursor=mydb.cursor()

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sql='INSERT INTO student(idno,name,age,city) values(%s,%s,%s,%s)'
val=(idno,name,age,city)
mycursor.execute(sql,val)
mydb.commit()
clear()

btn_sub = Button(a,text='Submit',activeforeground='red',activebackground='white',bg='pink',command=process)
btn_sub.place(x=50,y=330)
btn_sub['font'] = f_2
btn_sub = Button(a,text='Find',activeforeground='red',activebackground='white',bg='grey',command=find,width=6)
btn_sub.place(x=140,y=330)
btn_sub['font'] = f_2
btn_sub = Button(a,text='Delete',activeforeground='red',activebackground='white',bg='green',command=delete,width=6)
btn_sub.place(x=228,y=330)
btn_sub['font'] = f_2
btn_sub = Button(a,text='Show',activeforeground='red',activebackground='white',bg='skyblue',command=show,width=6)
btn_sub.place(x=315,y=330)
btn_sub['font'] = f_2
def clr():
    t.delete("1.0","end")
btn_sub = Button(a,text='Clear',activeforeground='red',activebackground='white',bg='skyblue',command=clr,width=6)
btn_sub.place(x=403,y=330)
btn_sub['font'] = f_2
a.mainloop()

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STUDENT RECORD

RollNo

Name

Age

City

Submit

Find

Delete

Show

Clear

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1 yosuva 22 keeranur
2 mani 29 trichy
3 vinitha 24 trichy
4 hoshea 22 keeranur
5 veeramani 23 keeranu
r
6 prem 23 keeranur
7 ajith 23 trichy
8 karthik 23 arandhang
i
9 pradeep 23 lalkudi
10 vijay 24 pudukkotta
i
```