

Desktop app with Tesla Coder

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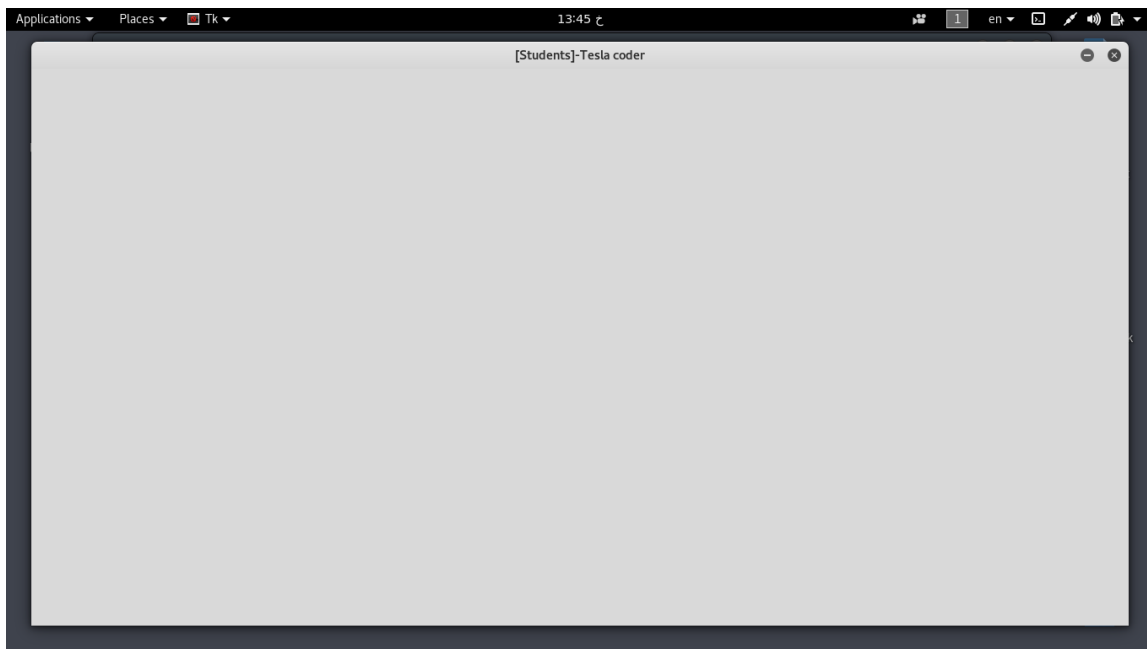
Python Tkinter : Create any program you want- كورس انشاء اي برنامج سطح المكتب تريد -

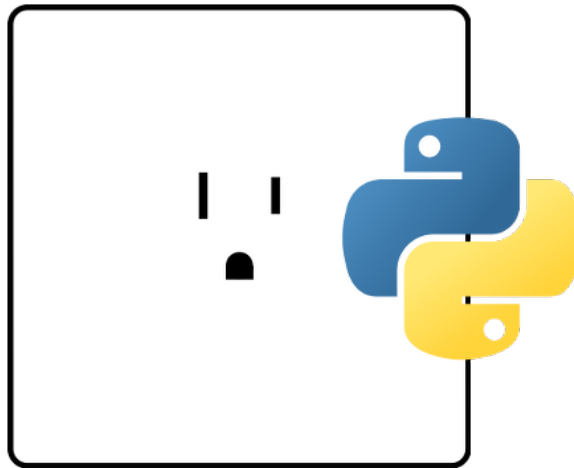
```
=====
+-----+
| LEARN PYTHON |
| [PYTHON Tkinter] |
| TESLA CODER |
| kurdmax670@gmail.com |
+-----+
```



LEASSON:[1]- create window and title انشاء واجهة والاسم والحجم ومنع تغيير الحجم

```
=====  
from tkinter import *  
from tkinter import ttk  
from tkinter import messagebox  
from tkinter import Toplevel  
  
class Student:  
    def __init__(self,root):  
        self.root=root  
        self.root.title("[Students]-Tesla coder")  
        self.root.geometry("1300x660+30+40")  
        self.root.resizable(False,False)  
  
root=Tk()  
ob=Student(root)  
root.mainloop()
```



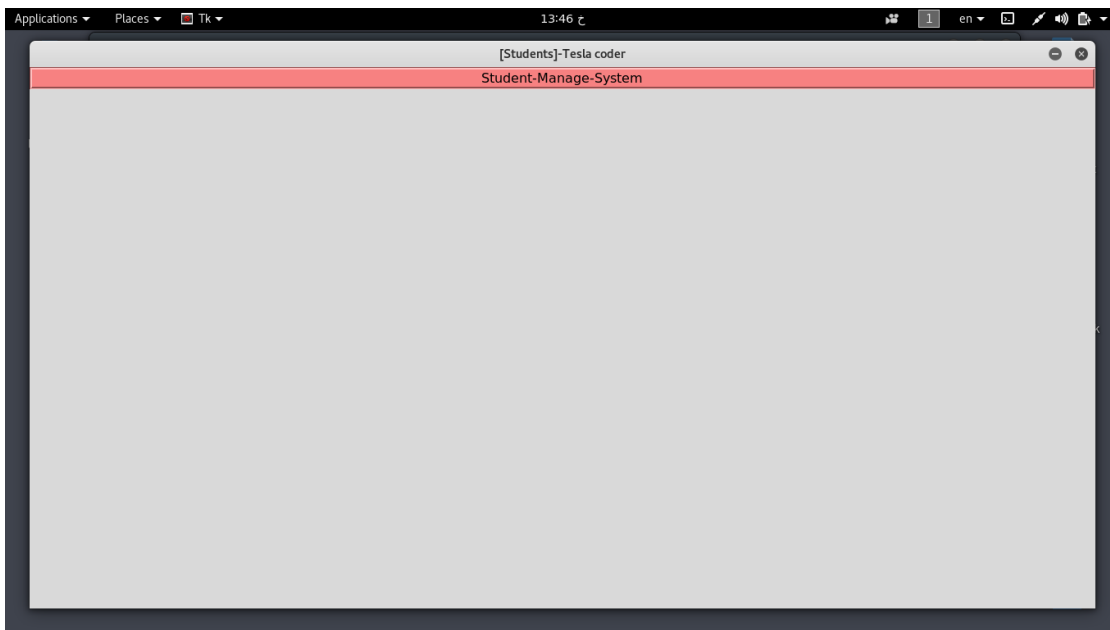


LEASSON:[2]- إضافة عنوان للشاشة مع التعرف على خصائص كثيرة

```
=====
from tkinter import *
from tkinter import ttk
from tkinter import messagebox
from tkinter import Toplevel

class Student:
    def __init__(self,root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False,False)
        title=Label(self.root,text="Student-Manage-System", font=20,bg="#F78181",bd=3,relief=GR0OVE).pack(side=TOP,fill=X)

root=Tk()
ob=Student(root)
root.mainloop()
```





LEASSON:[3]- إضافة فريم مع خصائص ك اللون واطار وخلفية واتجاه وحدود

=====

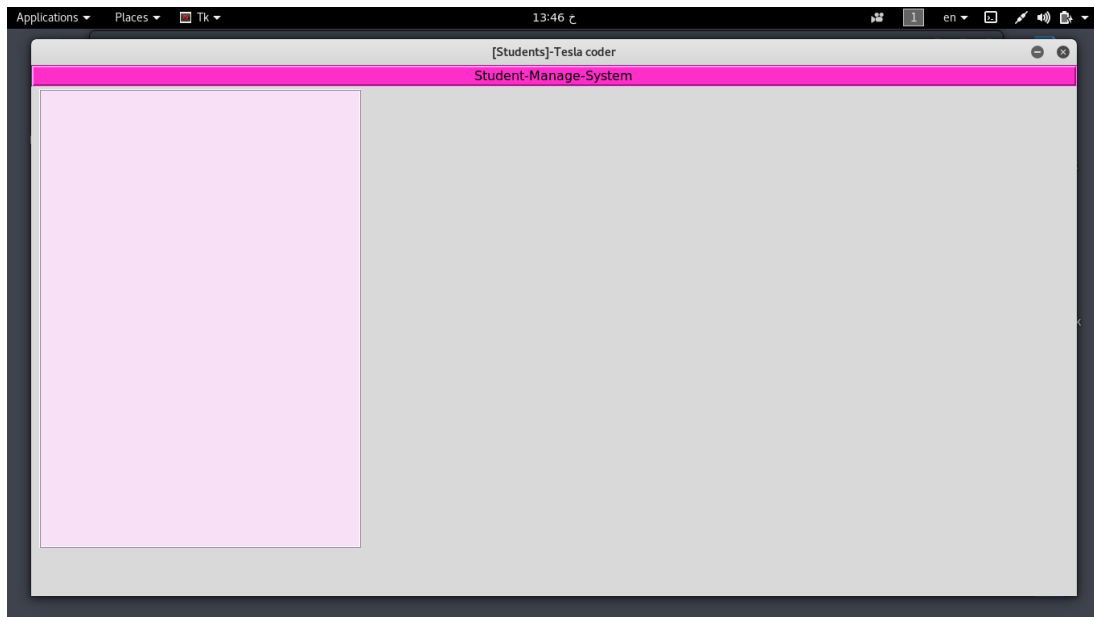
```

from tkinter import *
from tkinter import ttk
from tkinter import messagebox
from tkinter import Toplevel

class Student:
    def __init__(self,root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False,False)
        title=Label(self.root,text="Student-Manage-System",font=20,bg="#FE2EC8",bd=3,relief=GR0OVE).pack(side=TOP,fill=X)
        Manage_Frame=Frame(self.root,bg='#F8E0F7',bd=2,relief=RIDGE)
        Manage_Frame.place(x=10,y=30,width=400,height=570)

root=Tk()
ob=Student(root)
root.mainloop()

```





LEASSON:[4]-add frame2 اضافة فریم مع خصائص ك اللون واطار وخلفية واتجاه وحدود

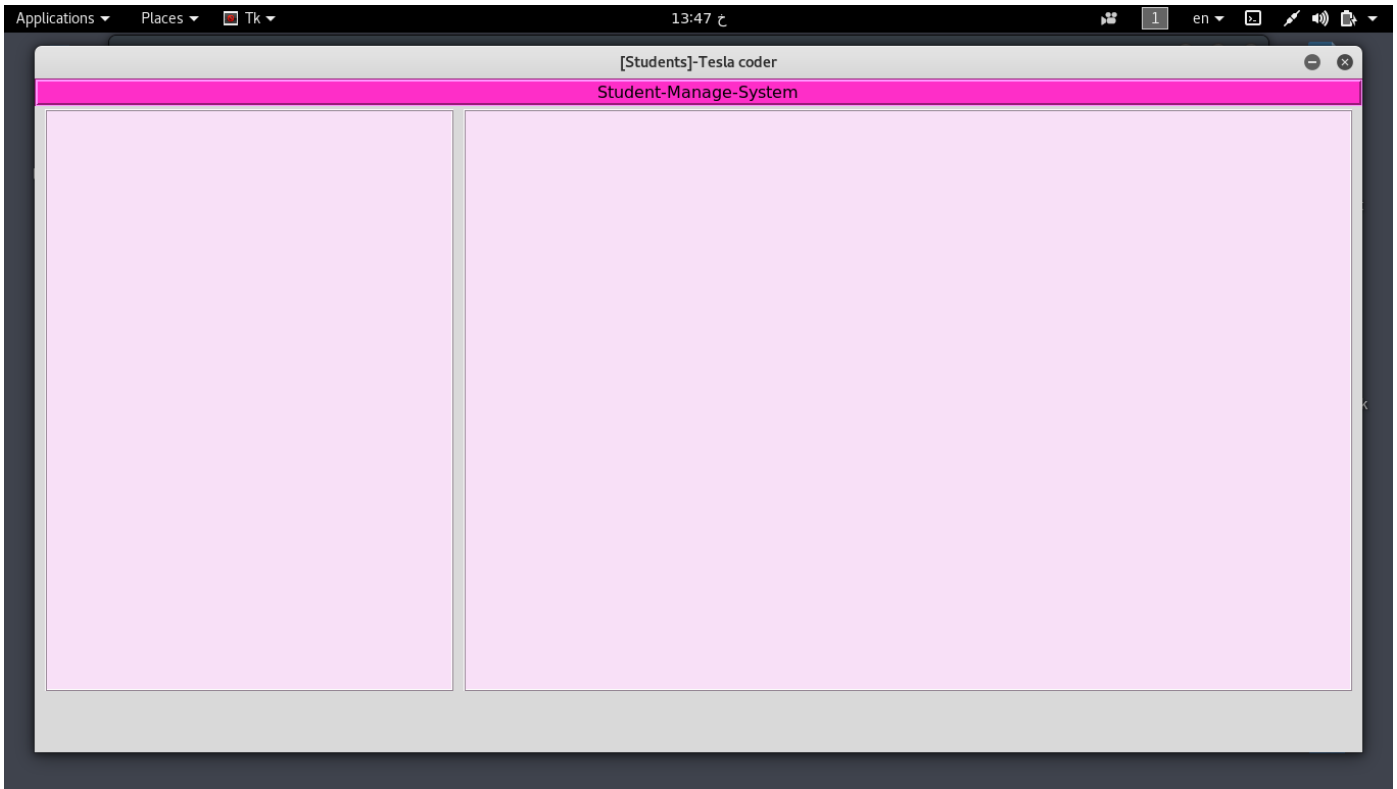
```
=====
from tkinter import *
from tkinter import ttk
from tkinter import messagebox
from tkinter import Toplevel

class Student:
    def __init__(self, root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False, False)
        title=Label(self.root, text="Student-Manage-
System", font=20, bg="#FE2EC8", bd=3, relief=GROOVE).pack(side=TOP, fill=X)
        Manage_Frame=Frame(self.root, bg='#F8E0F7', bd=2, relief=RIDGE)
        Manage_Frame.place(x=10, y=30, width=400, height=570)

        Detail_Frame=Frame(self.root, bg='#F8E0F7', bd=2, relief=RIDGE)
        Detail_Frame.place(x=420, y=30, width=870, height=570)

root=Tk()
ob=Student(root)
root.mainloop()
```





LESSON:[5]-add label in frame1 اضافة عنوان للفريم الاول مع التحكم بخصائصه

=====

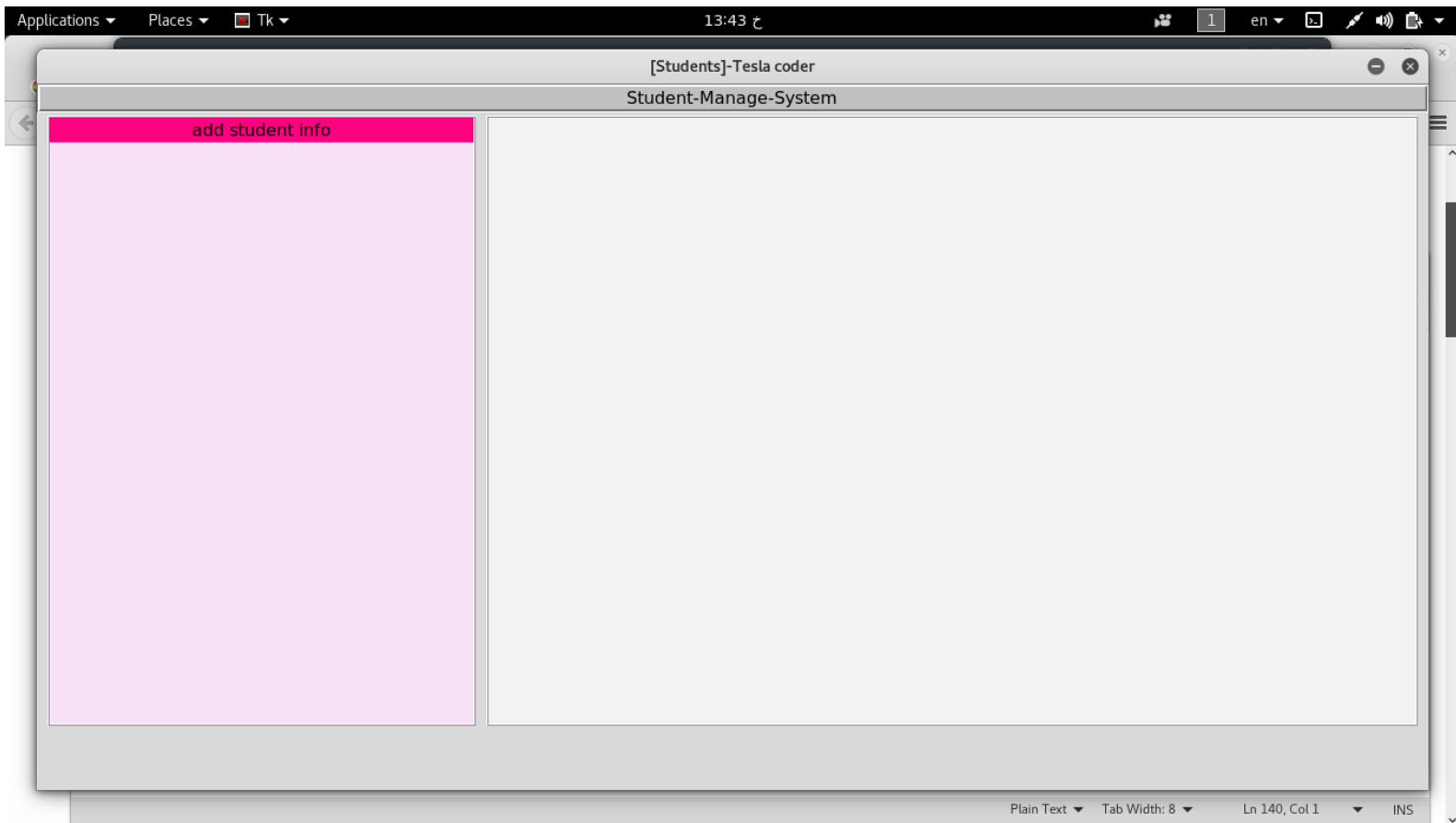
```
from tkinter import *
from tkinter import ttk
from tkinter import messagebox
from tkinter import Toplevel

class Student:
    def __init__(self, root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False, False)
        title=Label(self.root, text="Student-Manage-System", font=26, bg="silver", bd=3, relief=GROOVE).pack(side=TOP, fill=X)
        #===== Manage Frame
        Manage_Frame=Frame(self.root, bg='#F8E0F7', bd=2, relief=RIDGE)
        Manage_Frame.place(x=10, y=30, width=400, height=570)

        m_title=Label(Manage_Frame, text='add student info', font=18, bg='#FF0080')
        m_title.pack(side=TOP, fill=X)

        #===== Detail Frame
        Detail_Frame=Frame(self.root, bg='#F2F2F2', bd=2, relief=RIDGE)
        Detail_Frame.place(x=420, y=30, width=870, height=570)

root=Tk()
ob=Student(root)
root.mainloop()
```



LESSON:[6]- add element to frame1: 1 اضافة كافة عناصر الى الفريم 1

```
=====
=====
from tkinter import *
from tkinter import ttk
#===== TESLA CODER : kurdmax670@gmail.com =====

class Student:
    def __init__(self,root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False,False)
        title=Label(self.root,text="Student-Manage-
System",font=26,bg="silver",bd=3,relief=GROOVE).pack(side=TOP,fill=X)
#===== Manage Frame
=====
        Manage_Frame=Frame(self.root,bg='#F8E0F7',bd=2,relief=RIDGE)
        Manage_Frame.place(x=10,y=30,width=400,height=570)
```

```

m_title=Label(Manage_Frame,text='add student info',font=18,bg='#FF0080')
m_title.pack(side=TOP,fill=X)

lbl_roll=Label(Manage_Frame,text='Student ID : ',font=8,bg='#F8E0F7')
lbl_roll.place(x=10,y=30)
txt_roll=Entry(Manage_Frame)
txt_roll.place(x=130,y=30,width=260)

lbl_name=Label(Manage_Frame,text='Stud name:',font=8,bg='#F8E0F7')
lbl_name.place(x=10,y=60)
txt_name=Entry(Manage_Frame)
txt_name.place(x=130,y=60,width=260)

lbl_email=Label(Manage_Frame,text='Stud email:',font=8,bg='#F8E0F7')
lbl_email.place(x=10,y=90)
txt_email=Entry(Manage_Frame)
txt_email.place(x=130,y=90,width=260)

lbl_gender=Label(Manage_Frame,text='Stud gender:',font=8,bg='#F8E0F7')
lbl_gender.place(x=10,y=120)
combo_gender=ttk.Combobox(Manage_Frame,font=8,state='readonly')
combo_gender['values']=("male","female")
combo_gender.place(x=130,y=120,width=260)

lbl_phone=Label(Manage_Frame,text='Stud phone:',font=8,bg='#F8E0F7')
lbl_phone.place(x=10,y=150)
txt_phone=Entry(Manage_Frame)
txt_phone.place(x=130,y=150,width=260)

lbl_cer=Label(Manage_Frame,text='Certifcate :',font=8,bg='#F8E0F7')
lbl_cer.place(x=10,y=180)
txt_cer=Entry(Manage_Frame)
txt_cer.place(x=130,y=180,width=260)

lbl_adress=Label(Manage_Frame,text='Stud address:',font=8,bg='#F8E0F7')
lbl_adress.place(x=10,y=210)
txt_adress=Text(Manage_Frame,width=32,height=10)
txt_adress.place(x=130,y=210)

```

```

#===== Detail Frame
=====

```

```

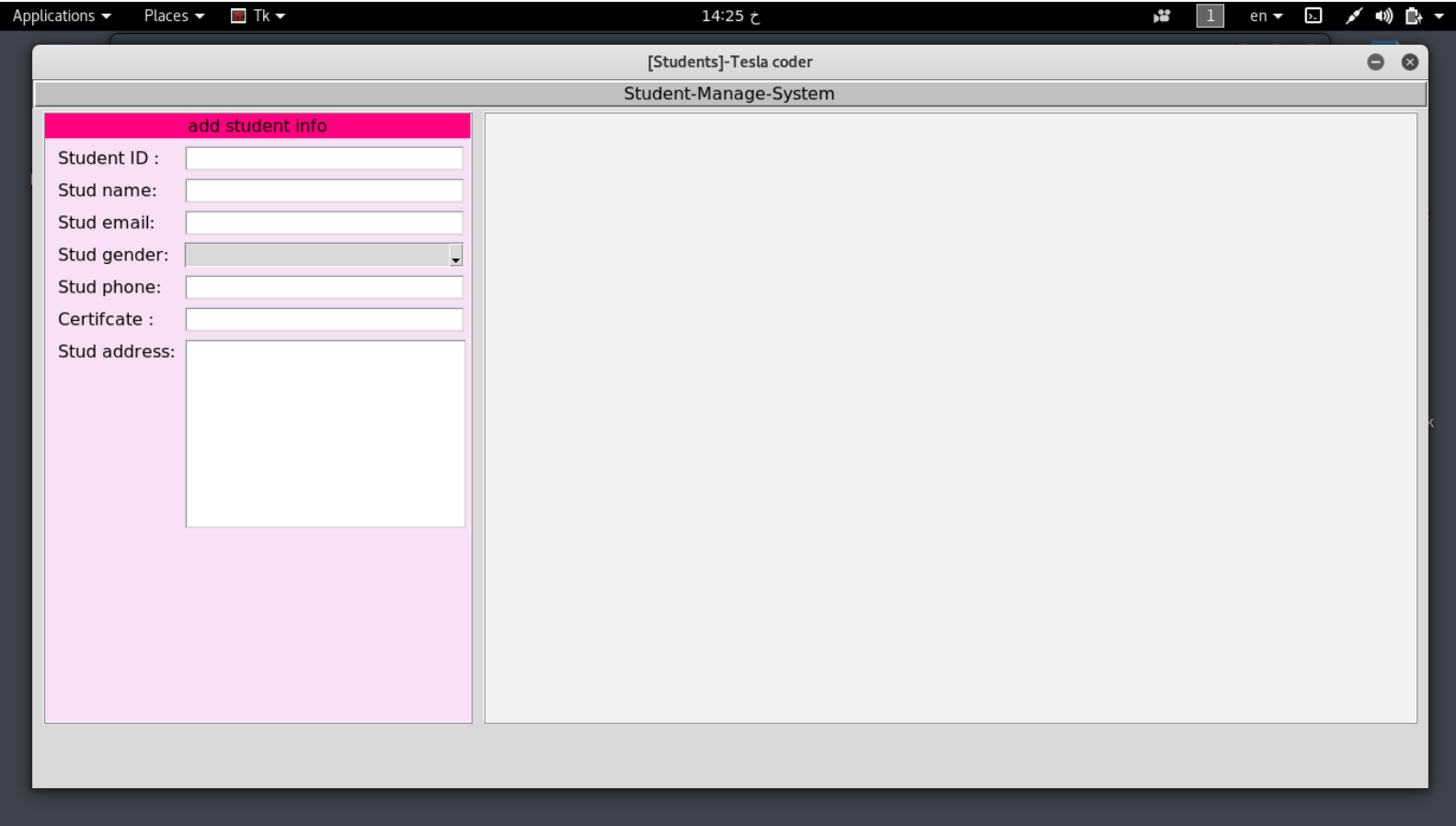
Detail_Frame=Frame(self.root,bg='#F2F2F2',bd=2,relief=RIDGE)
Detail_Frame.place(x=420,y=30,width=870,height=570)

```

```

root=Tk()
ob=Student(root)
root.mainloop()

```

LESSON:[7]- add button to frame1

=====

```

from tkinter import *
from tkinter import ttk
#===== TESLA CODER : kurdmax670@gmail.com =====

class Student:
    def __init__(self,root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False,False)
        title=Label(self.root,text="Student-Manage-
System",font=26,bg="silver",bd=3,relief=GROOVE).pack(side=TOP,fill=X)
#===== Manage Frame
=====
        Manage_Frame=Frame(self.root,bg='#F8E0F7',bd=2,relief=RIDGE)
        Manage_Frame.place(x=10,y=30,width=400,height=570)

        m_title=Label(Manage_Frame,text='add student info',font=18,bg='#FF0080')
        m_title.pack(side=TOP,fill=X)

        lbl_roll=Label(Manage_Frame,text='Student ID : ',font=8,bg='#F8E0F7')
        lbl_roll.place(x=10,y=30)
        txt_roll=Entry(Manage_Frame)
        txt_roll.place(x=130,y=30,width=260)

        lbl_name=Label(Manage_Frame,text='Stud name:',font=8,bg='#F8E0F7')
        lbl_name.place(x=10,y=60)

```

```

txt_name=Entry(Manage_Frame)
txt_name.place(x=130,y=60,width=260)

lbl_email=Label(Manage_Frame,text='Stud email:',font=8,bg='#F8E0F7')
lbl_email.place(x=10,y=90)
txt_email=Entry(Manage_Frame)
txt_email.place(x=130,y=90,width=260)

lbl_gender=Label(Manage_Frame,text='Stud gender:',font=8,bg='#F8E0F7')
lbl_gender.place(x=10,y=120)
combo_gender=ttk.Combobox(Manage_Frame,font=8,state='readonly')
combo_gender['values']=("male","female")
combo_gender.place(x=130,y=120,width=260)

lbl_phone=Label(Manage_Frame,text='Stud phone:',font=8,bg='#F8E0F7')
lbl_phone.place(x=10,y=150)
txt_phone=Entry(Manage_Frame)
txt_phone.place(x=130,y=150,width=260)

lbl_cer=Label(Manage_Frame,text='Certifcate :',font=8,bg='#F8E0F7')
lbl_cer.place(x=10,y=180)
txt_cer=Entry(Manage_Frame)
txt_cer.place(x=130,y=180,width=260)

lbl_adress=Label(Manage_Frame,text='Stud address:',font=8,bg='#F8E0F7')
lbl_adress.place(x=10,y=210)
txt_adress=Text(Manage_Frame,width=32,height=10)
txt_adress.place(x=130,y=210)

```

```

#===== Button

```

```

=====
btn_Frame=Frame(Manage_Frame,bd=2,relief=RIDGE,bg='#F8E0F7')
btn_Frame.place(x=10,y=395,width=370)
addbtn=Button(btn_Frame,text='Add Student [+]',width=30)
addbtn.pack(pady=4)

updatebtn=Button(btn_Frame,text='update info stud [~]',width=30)
updatebtn.pack(pady=4)

clearbtn=Button(btn_Frame,text='Clear all write [-]',width=30)
clearbtn.pack(pady=4)

deletebtn=Button(btn_Frame,text='Delete student [x]',width=30)
deletebtn.pack(pady=4)

```

```

#===== Detail Frame

```

```

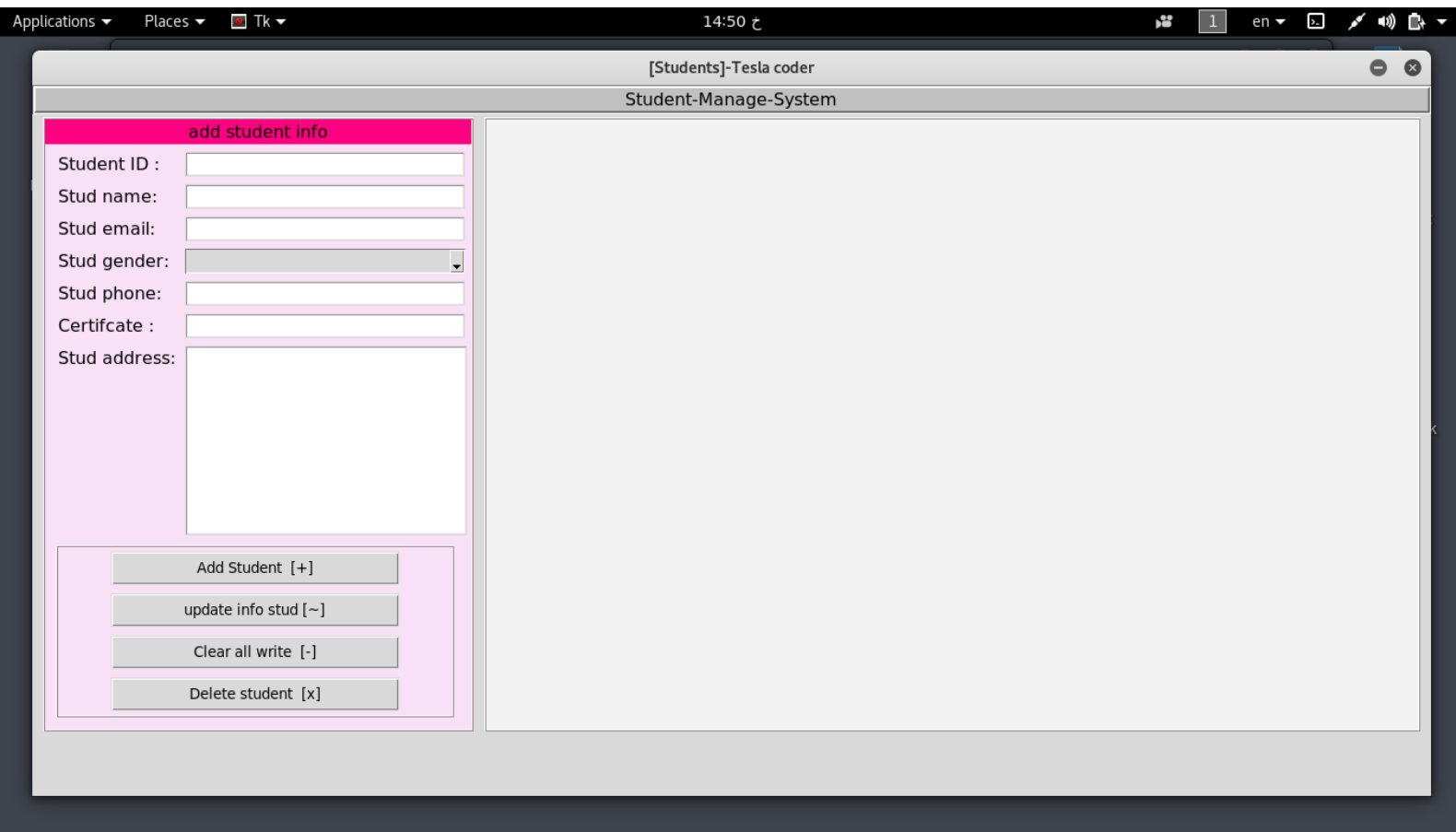
=====
Detail_Frame=Frame(self.root,bg='#F2F2F2',bd=2,relief=RIDGE)
Detail_Frame.place(x=420,y=30,width=870,height=570)

```

```

root=Tk()
ob=Student(root)
root.mainloop()

```



```

*****
*****
we finished from frame1 .. =====>frame2 1 الان ننتقل الى تصميم فریم 2
*****
*****

```

LESSON:[1]- items frame2: 2 اضافة عناصر داخل فریم 2

```

=====
from tkinter import *
from tkinter import ttk
#===== TESLA CODER : kurdmax670@gmail.com =====

class Student:
    def __init__(self,root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")

```

```

self.root.resizable(False, False)
title=Label(self.root, text="Student-Manage-
System", font=26, bg="silver", bd=3, relief=GR00VE).pack(side=TOP, fill=X)
#===== Manage Frame
=====
Manage_Frame=Frame(self.root, bg='#F8E0F7', bd=2, relief=RIDGE)
Manage_Frame.place(x=10, y=30, width=400, height=570)

m_title=Label(Manage_Frame, text='add student info', font=18, bg='#FF0080')
m_title.pack(side=TOP, fill=X)

lbl_rol=Label(Manage_Frame, text='Student ID : ', font=8, bg='#F8E0F7')
lbl_rol.place(x=10, y=30)
txt_rol=Entry(Manage_Frame)
txt_rol.place(x=130, y=30, width=260)

lbl_name=Label(Manage_Frame, text='Stud name:', font=8, bg='#F8E0F7')
lbl_name.place(x=10, y=60)
txt_name=Entry(Manage_Frame)
txt_name.place(x=130, y=60, width=260)

lbl_email=Label(Manage_Frame, text='Stud email:', font=8, bg='#F8E0F7')
lbl_email.place(x=10, y=90)
txt_email=Entry(Manage_Frame)
txt_email.place(x=130, y=90, width=260)

lbl_gender=Label(Manage_Frame, text='Stud gender:', font=8, bg='#F8E0F7')
lbl_gender.place(x=10, y=120)
combo_gender=ttk.Combobox(Manage_Frame, font=8, state='readonly')
combo_gender['values']=("male", "female")
combo_gender.place(x=130, y=120, width=260)

lbl_phone=Label(Manage_Frame, text='Stud phone:', font=8, bg='#F8E0F7')
lbl_phone.place(x=10, y=150)
txt_phone=Entry(Manage_Frame)
txt_phone.place(x=130, y=150, width=260)

lbl_cer=Label(Manage_Frame, text='Certifcate :', font=8, bg='#F8E0F7')
lbl_cer.place(x=10, y=180)
txt_cer=Entry(Manage_Frame)
txt_cer.place(x=130, y=180, width=260)

lbl_adress=Label(Manage_Frame, text='Stud address:', font=8, bg='#F8E0F7')
lbl_adress.place(x=10, y=210)
txt_adress=Text(Manage_Frame, width=32, height=10)
txt_adress.place(x=130, y=210)

#===== Button =====
btn_Frame=Frame(Manage_Frame, bd=2, relief=RIDGE, bg='#F8E0F7')
btn_Frame.place(x=10, y=395, width=370)
addbtn=Button(btn_Frame, text='Add Student [+]', width=30)
addbtn.pack(pady=4)

updatebtn=Button(btn_Frame, text='update info stud [-]', width=30)
updatebtn.pack(pady=4)

clearbtn=Button(btn_Frame, text='Clear all write [-]', width=30)
clearbtn.pack(pady=4)

```

```

deletebtn=Button(btn_Frame,text='Delete student [x]',width=30)
deletebtn.pack(pady=4)

```

```

#===== Detail Frame
=====

```

```

Detail_Frame=Frame(self.root,bg='#F2F2F2',bd=2,relief=RIDGE)
Detail_Frame.place(x=420,y=30,width=870,height=570)

```

```

lbl_search=Label(Detail_Frame,text='Search By:',font=8,bg='#F2F2F2')
lbl_search.place(x=50,y=10)

```

```

combo_search=ttk.Combobox(Detail_Frame,font=8,width=10,state='readonly')
combo_search['values']=("ID","Name","Phone")
combo_search.place(x=145,y=10)

```

```

txt_search=Entry(Detail_Frame)
txt_search.place(x=280,y=10,width=230)

```

```

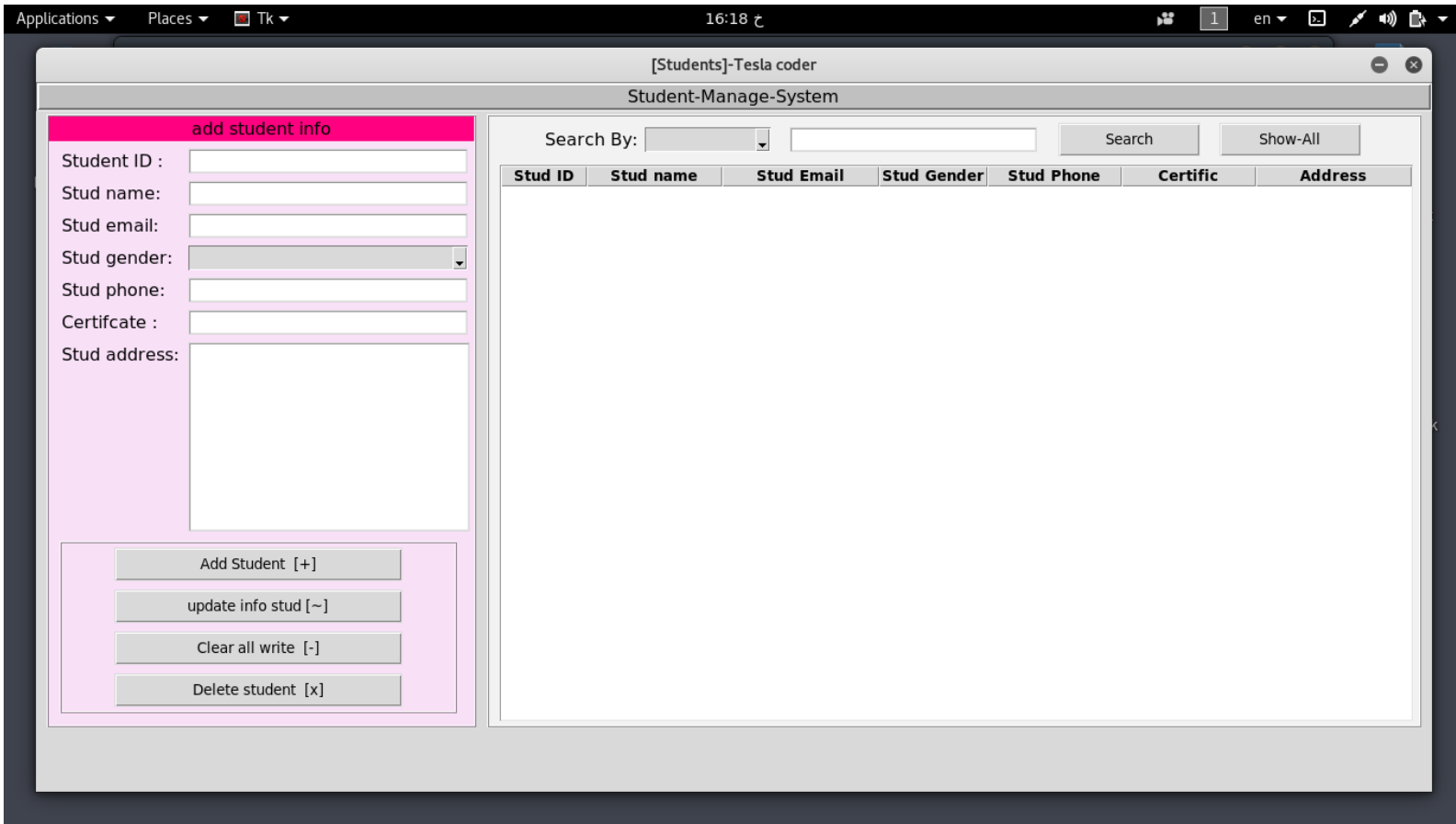
search_btn=Button(Detail_Frame,text='Search',width=13)
search_btn.place(x=530,y=6)
showall_btn=Button(Detail_Frame,text='Show-All',width=13)
showall_btn.place(x=680,y=6)

```

```

root=Tk()
ob=Student(root)
root.mainloop()

```



LESSON:[2]- add info to frame 2: 2 اضافة الخانات معلومات الى فريم

```
=====
from tkinter import *
from tkinter import ttk
#===== TESLA CODER : kurdmax670@gmail.com =====

class Student:
    def __init__(self,root):
        self.root=root
        self.root.title("[Students]-Tesla coder")
        self.root.geometry("1300x660+30+40")
        self.root.resizable(False,False)
        title=Label(self.root,text="Student-Manage-System",font=26,bg="silver",bd=3,relief=GR00VE).pack(side=TOP,fill=X)
#===== Manage Frame
=====
        Manage_Frame=Frame(self.root,bg='#F8E0F7',bd=2,relief=RIDGE)
        Manage_Frame.place(x=10,y=30,width=400,height=570)

        m_title=Label(Manage_Frame,text='add student info',font=18,bg='#FF0080')
        m_title.pack(side=TOP,fill=X)

        lbl_rol=Label(Manage_Frame,text='Student ID : ',font=8,bg='#F8E0F7')
        lbl_rol.place(x=10,y=30)
        txt_rol=Entry(Manage_Frame)
        txt_rol.place(x=130,y=30,width=260)

        lbl_name=Label(Manage_Frame,text='Stud name:',font=8,bg='#F8E0F7')
        lbl_name.place(x=10,y=60)
        txt_name=Entry(Manage_Frame)
        txt_name.place(x=130,y=60,width=260)

        lbl_email=Label(Manage_Frame,text='Stud email:',font=8,bg='#F8E0F7')
        lbl_email.place(x=10,y=90)
        txt_email=Entry(Manage_Frame)
        txt_email.place(x=130,y=90,width=260)

        lbl_gender=Label(Manage_Frame,text='Stud gender:',font=8,bg='#F8E0F7')
        lbl_gender.place(x=10,y=120)
        combo_gender=ttk.Combobox(Manage_Frame,font=8,state='readonly')
        combo_gender['values']=("male","female")
        combo_gender.place(x=130,y=120,width=260)

        lbl_phone=Label(Manage_Frame,text='Stud phone:',font=8,bg='#F8E0F7')
        lbl_phone.place(x=10,y=150)
```

```

txt_phone=Entry(Manage_Frame)
txt_phone.place(x=130,y=150,width=260)

lbl_cer=Label(Manage_Frame,text='Certifcate :',font=8,bg='#F8E0F7')
lbl_cer.place(x=10,y=180)
txt_cer=Entry(Manage_Frame)
txt_cer.place(x=130,y=180,width=260)

lbl_adress=Label(Manage_Frame,text='Stud address:',font=8,bg='#F8E0F7')
lbl_adress.place(x=10,y=210)
txt_adress=Text(Manage_Frame,width=32,height=10)
txt_adress.place(x=130,y=210)

#===== Button =====
btn_Frame=Frame(Manage_Frame,bd=2,relief=RIDGE,bg='#F8E0F7')
btn_Frame.place(x=10,y=395,width=370)
addbtn=Button(btn_Frame,text='Add Student [+]',width=30)
addbtn.pack(pady=4)

updatebtn=Button(btn_Frame,text='update info stud [~]',width=30)
updatebtn.pack(pady=4)

clearbtn=Button(btn_Frame,text='Clear all write [-]',width=30)
clearbtn.pack(pady=4)

deletebtn=Button(btn_Frame,text='Delete student [x]',width=30)
deletebtn.pack(pady=4)

#===== Detail Frame
=====
Detail_Frame=Frame(self.root,bg='#F2F2F2',bd=2,relief=RIDGE)
Detail_Frame.place(x=420,y=30,width=870,height=570)

lbl_search=Label(Detail_Frame,text='Search By:',font=8,bg='#F2F2F2')
lbl_search.place(x=50,y=10)

combo_search=ttk.Combobox(Detail_Frame,font=8,width=10,state='readonly')
combo_search['values']=("ID","Name","Phone")
combo_search.place(x=145,y=10)

txt_search=Entry(Detail_Frame)
txt_search.place(x=280,y=10,width=230)

search_btn=Button(Detail_Frame,text='Search',width=13)
search_btn.place(x=530,y=6)
showall_btn=Button(Detail_Frame,text='Show-All',width=13)
showall_btn.place(x=680,y=6)

#===== Table frame =====
table_Frame=Frame(Detail_Frame,width=850,height=517,bg='white')
table_Frame.place(x=10,y=45)

student_table=ttk.Treeview(table_Frame,columns=("ID","Name","Email","Gender","Phone",
"Certifcate","Address"))
student_table.place(x=0,y=0,width=850,height=517)

```

```

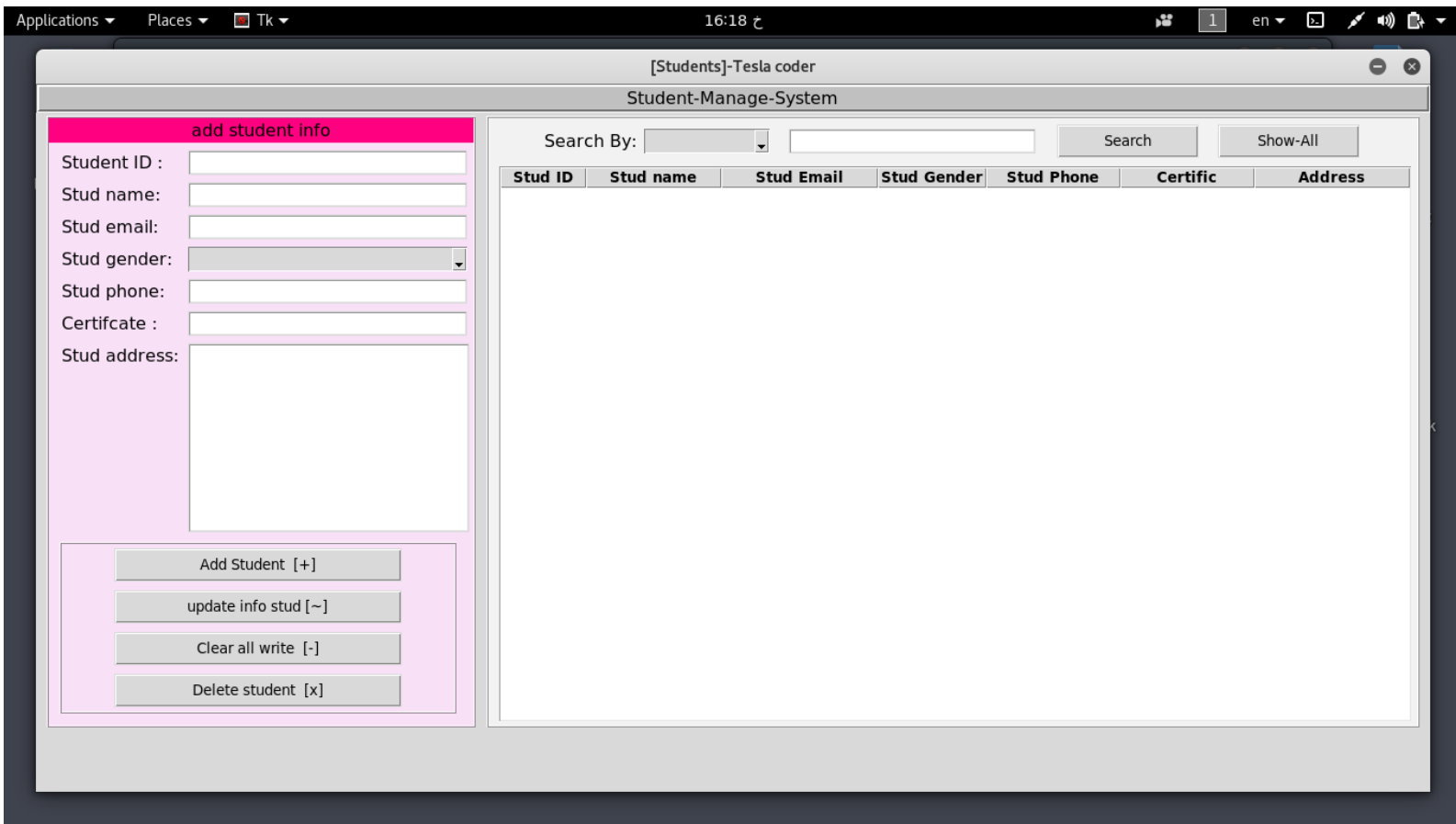
student_table['show'] = 'headings'
student_table.heading("ID", text="Stud ID")
student_table.heading("Name", text="Stud name")
student_table.heading("Email", text="Stud Email")
student_table.heading("Gender", text="Stud Gender")
student_table.heading("Phone", text="Stud Phone")
student_table.heading("Certifcate", text="Certific")
student_table.heading("Address", text="Address")
student_table.column("ID", width=80)
student_table.column("Name", width=125)
student_table.column("Email", width=145)
student_table.column("Gender", width=100)
student_table.column("Phone", width=125)
student_table.column("Certifcate", width=125)
student_table.column("Address", width=145)

```

```

root=Tk()
ob=Student(root)
root.mainloop()

```



FINALLY: we finished

تم الانتهاء بحمد الله تعالى : تيسلا كودر

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note: في هذا الجزء تعلمنا التصميم الواجهة كاملة وخطوة بخطوة في الجزء القادم سنضيف اكواد لكي يعمل في جزء 3 سوف ننشأ قاعدة بيانات ونربطها لا تنسو النشر والدعاء والحمد لله تم الانتهاء بفضل الله تعالى تخطينا تصميم واجهات احترافية بكل معنى كلمة

لطلب برامج تخص مجال عمله فقط يترك تعليق اساعده ان شاء الله تعالى



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