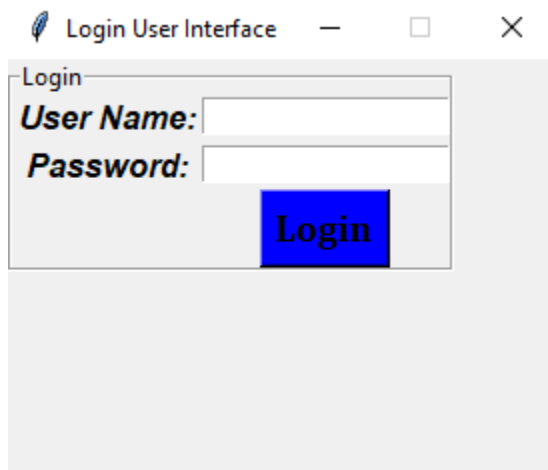


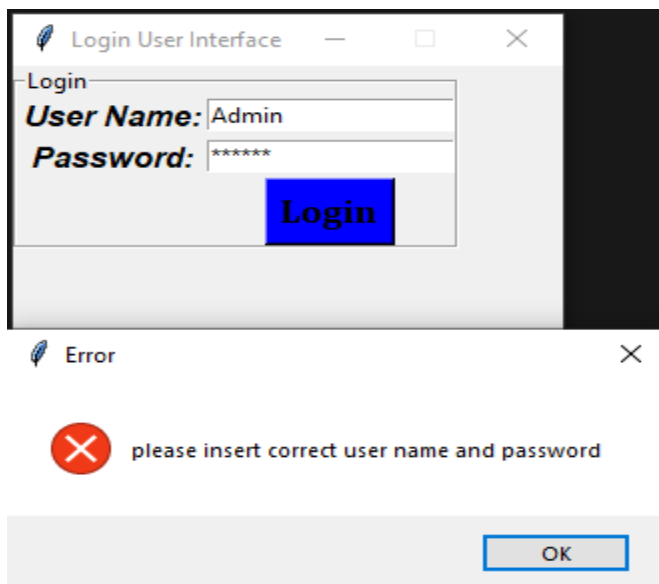
Exercise on python GUI

1. Write a program to design the following python tkinter GUI. The login GUI allow the user to enter the user's name and password. If the entry values are not correct it will display message to the user

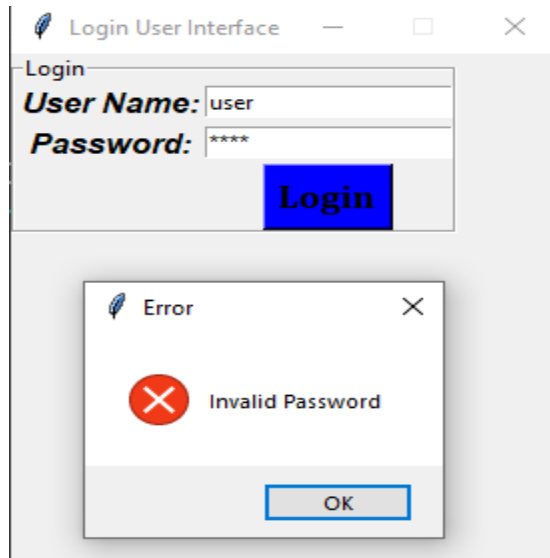
❖ Login Interface



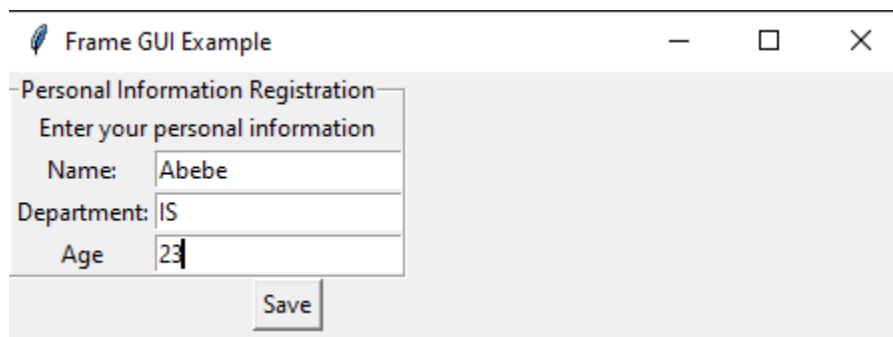
❖ Login Interface when the user input incorrect username and password



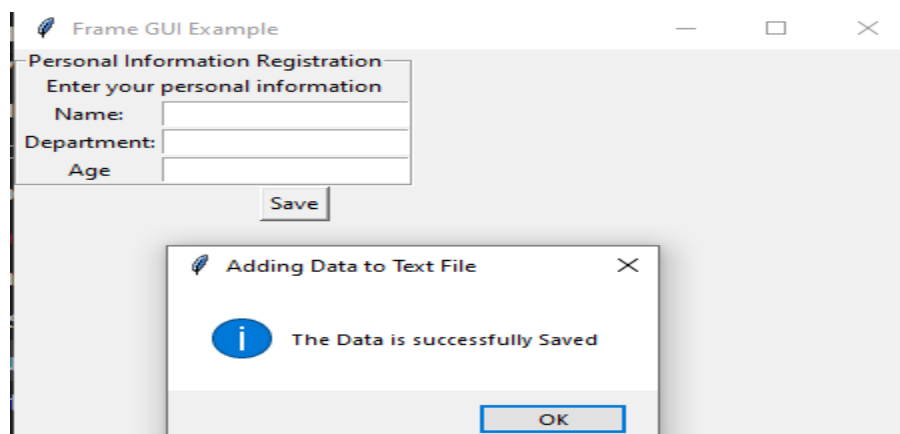
❖ Login Interface when the user input incorrect password



❖ Person information Registration interface



❖ Person information Registration interface after the information is saved in file with message



Solution:

Login.py

```
import tkinter
import tkinter.messagebox
rw=tkinter.Tk()
rw.title("Login User Interface")
rw.geometry('275x300')
rw.resizable("False","False")
def log():
    txtu= entUser.get()
    txtp=entPassword.get()
    if txtu=='user' and txtp=="user123":
        rw.destroy()
        import GUIdata

    elif txtu!="user" and txtp!="user123":
        tkinter.messagebox.showerror("Error","please insert correct user name and password")
    elif txtu!="user":
        tkinter.messagebox.showerror("Error","Invalid user name")
    elif txtp!="user123":
        tkinter.messagebox.showerror("Error","Invalid Password")

lbframe=tkinter.LabelFrame(rw,text="Login")
lbframe.grid(row=0,column=0)
lbUser=tkinter.Label(lbframe,text="User Name:",font=('Arial bold italic',12))
entUser=tkinter.Entry(lbframe)
lbUser.grid(row=1,column=0)
entUser.grid(row=1,column=1)
```

```
lbPassword=tkinter.Label(lbframe,text="Password:",font=('Arial bold italic',12))
entPassword=tkinter.Entry(lbframe,show="*")
lbPassword.grid(row=2,column=0)
entPassword.grid(row=2,column=1)

btn=tkinter.Button(lbframe,text="Login",background='blue',font=('cambria
bold',14),command=log)
btn.grid(row=3,column=1)
rw.mainloop()
```

GUIdata.py

```
import tkinter
import tkinter.messagebox
from tkinter import *
rw=tkinter.Tk()
rw.geometry("450x500")
rw.title("Frame GUI Example")
def savefile():

    fw=open("guidata.txt","a")
    txtu= nameentry.get()
    txtp=deptentry.get()
    txtage=ageentry.get()
    fw.write(str(txtu)+"\t")
    fw.write(str(txtp)+"\t")
    fw.write(str(txtage)+"\n")
    fw.close()
    nameentry.delete(0,END)
```

```

        deptentry.delete(0,END)
        ageentry.delete(0,END)
        tkinter.messagebox.showinfo(("Adding Data to Text File"),"The Data is
successfully Saved")
def display():
    fw=open("guidata.txt","r")
    print(fw.read())
lbframe1=tkinter.LabelFrame(rw,text="Personal Information Registration")
lbframe1.grid(row=0,column=0,columnspan=2,rowspan=2)
lb1=tkinter.Label(lbframe1,text="Enter your personal information")
lb1.grid(row=0,column=0,columnspan=2)
lb2=tkinter.Label(lbframe1,text="Name:")
lb2.grid(row=1,column=0)
nameentry=tkinter.Entry(lbframe1)
nameentry.grid(row=1,column=1)
lb3=tkinter.Label(lbframe1,text="Department:")
lb3.grid(row=2,column=0)
deptentry=tkinter.Entry(lbframe1)
deptentry.grid(row=2,column=1)
lb4=tkinter.Label(lbframe1,text="Age")
lb4.grid(row=3,column=0)
ageentry=tkinter.Entry(lbframe1)
ageentry.grid(row=3,column=1)

btn=tkinter.Button(rw,text="Save",command=savefile)
btn.grid(row=4,column=1,)

```

```

rw.mainloop()

```