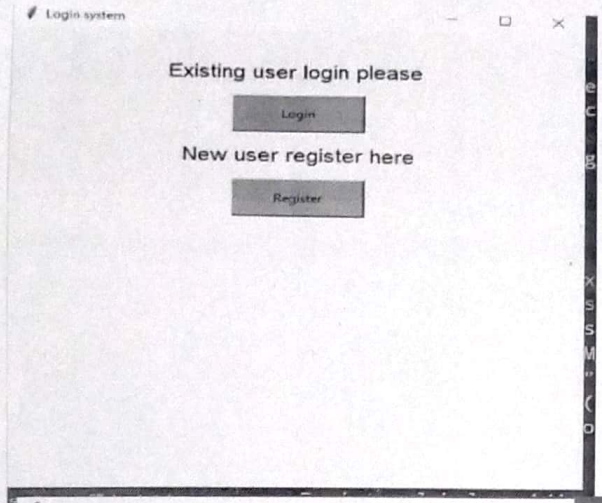
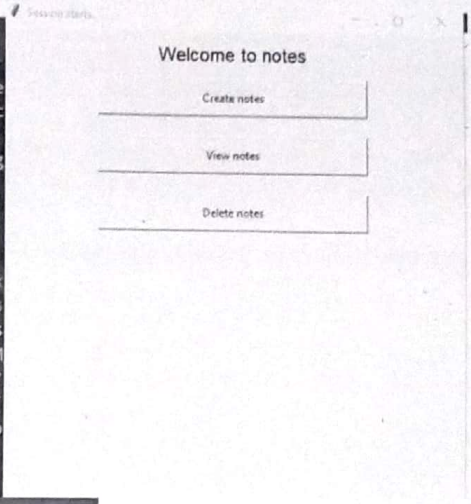
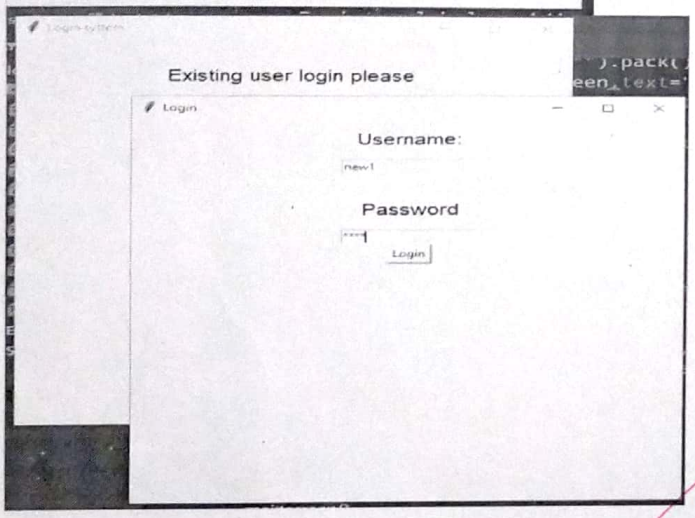
```
from tkinter import*
import os

def save():
    filename=raw_filename.get()
    notes=raw_note.get()
    data=open(filename,"a")
    data.write(notes)
    data.close()
    label(create_screen,text="Data saved").pack()

def create_notes():
    global raw_filename,raw_note
    raw_filename=StringVar()
    raw_note=StringVar()
    global create_screen
    create_screen=Toplevel(N_screen)
    create_screen.title("Enter a filname for the notes:::").pack()
    V_label=Label(create_screen,text="enter a filname for the notes:::").pack()
    V_entry=Entry(create_screen,textvariable=raw_filename).pack()
    N_label=Label(create_screen,text="Enter your notes below:::").pack()
    N_label=Entry(create_screen,textvariable=raw_note).pack()
    save_button=Button(create_screen,text="save",command=save).pack()


def view_notes1():
    Filename1=raw_filename1.get()
    data=open(Filename1,"r")
    data1=data.read()
    V2_screen=Toplevel(N_screen)
    V2_screen.title("Notes")
    V2_screen.geometry("400x400")
    Notes_label=Label(V2_screen,text=data1,font=("calibri",13)).pack()

def view_notes():
    view_screen=Toplevel(N_screen)
    view_screen.title("view notes files:::")
    view_screen.geometry("250x250")
    all_files=os.listdir()
    V_label=Label(view_screen,text="The files the user has stored in here
are:::").pack()
    Vi_label=Label(view_screen,text=all_files).pack()
    global raw_filename1
    raw_filename1=StringVar()
    V_entry=Entry(view_screen,textvariable=raw_filename1).pack()
    V_button=Button(view_screen,command=view_notes1).pack()

def delete_notes1():
    filename3=raw_filename2.get()
    d2_screen=Toplevel(N_screen)
    d2_screen.title("Notes")
    d2_screen.geometry("400x400")

Notes_label=Label(d2_screen,text=filename3+"Removed",font=("calibri",13)).pack()

def delete_notes():
    del_screen = Toplevel(N_screen)
    del_screen.title("view notes files:::")
    del_screen.geometry("250x250")
    all_files = os.listdir()
    V_label = Label(del_screen, text="The files the user has stored in here
are:::").pack()
    Vi_label = Label(del_screen, text=all_files).pack()
    global raw_filename2
    raw_filename2 = StringVar()
    V_entry = Entry(del_screen, textvariable=raw_filename2).pack()
    V_button = Button(del_screen, command=delete_notes1).pack()
```

```
    global reg_screen
    global user_entry,pass_entry
    reg_screen = Toplevel(M_screen)
    reg_screen.title("Register!")
    reg_screen.geometry("500x500")
    username = StringVar()
    password = StringVar()
    usr_label = Label(reg_screen, text="Username", font=("Calibri,15"), height=2,
width=40).pack()
    usr_entry = Entry(reg_screen, textvariable=username)
    usr_entry.pack()
    pass_label = Label(reg_screen, text="Password", font=("Calibri,15"),
height=2, width=40).pack()
    pass_entry = Entry(reg_screen, textvariable=password,show="*")
    pass_entry.pack()
    Label(reg_screen,text="").pack()
    reg_button=Button(reg_screen,text="Register!",command=reg_user).pack()


def Login():
    global log_screen
    global username_verify
    global password_verify
    global user_entry
    global pass_entry
    username_verify=StringVar()
    password_verify=StringVar()
    log_screen=Toplevel(M_screen)
    log_screen.title("Login")
    log_screen.geometry("500x500")
    username=Label(log_screen,text="Username:",font=("Calibri,15"), height=2,
 width=40).pack()
    user_entry=Entry(log_screen,textvariable=username_verify)
    user_entry.pack()
    Label(log_screen,text="").pack()
    password=Label(log_screen,text="Password",font=("Calibri,15"), height=2,
 width=40).pack()
    pass_entry=Entry(log_screen,textvariable=password_verify,show="*")
    pass_entry.pack()
    Login_button=Button(log_screen,text="Login",command=login_verify).pack()
def mainscreen():
    global M_screen

    M_screen = Tk()
    M_screen.geometry("500x500")
    M_screen.title("Login system ")
    Login_label = Label(M_screen, text="Existing user login please ",
font=("Calibri,15"), height=2, width=40)
    Login_button = Button(M_screen, text="Login", height=2, width=15, bg="Grey",
command=Login)
    Label(M_screen, text="").pack()
    Register_label = Label(M_screen, text="New user register here",
font=("Calibri,15"), height=2, width=40)
    Register_button = Button(M_screen, text="Register", height=2, width=15,
bg="Grey", command=register)
    Login_label.pack()
    Login_button.pack()
    Register_label.pack()
    Register_button.pack()
    M_screen.mainloop()
mainscreen()
```

```
def login_sucess():                                    login.1
    global pop_screen
    pop_screen=Toplevel(NL_screen)
    pop_screen.title("session starts..")
    pop_screen.geometry("300x300")
    Label(pop_screen,text="welcome to notes",font=("Calibri,25"), height=2,
width=40).pack()
    create_button=Button(pop_screen,text="Create
notes",command=create_notes,height=2,width=40).pack()
    Label(pop_screen,text="").pack()
    view_button=Button(pop_screen,text="View
notes",command=view_notes,height=2,width=40).pack()
    Label(pop_screen,text="").pack()
    delete_button=Button(pop_screen,text="Delete
notes",command=delete_notes,height=2,width=40).pack()

def password_error():
    global pop_screen
    pop_screen = Toplevel(NL_screen)
    pop_screen.title("Sucess")
    pop_screen.geometry("150x200")
    Label(pop_screen, text="Password error").pack()
    Button(pop_screen, text="ok", command=lambda: pop_screen.destroy()).pack()

def username_error():
    global pop_screen
    pop_screen = Toplevel(NL_screen)
    pop_screen.title("Sucess")
    pop_screen.geometry("150x200")
    Label(pop_screen, text="username error").pack()
    Button(pop_screen, text="ok", command=lambda: pop_screen.destroy()).pack()

def reg_user():
    usr_info=username.get()
    pass_info=password.get()
    username_file=open(usr_info,"w")
    username_file.write(usr_info+"\n")
    username_file.write(pass_info)
    username_file.close()
    username_file.close()
    usr_entry.delete(0,END)
    pass_entry.delete(0,END)
    Label(reg_screen,text="Registration
sucessfull",fg="Green",font=("Algerian",12)).pack()
def login_verify():
    username1=username_verify.get()
    password1=password_verify.get()
    user_entry.delete(0,END)
    pass_entry.delete(0,END)

    list_of_files=os.listdir()
    if username1 in list_of_files:
        file1=open(username1,"r")
        verify=file1.read().splitlines()
        if password1 in verify:
            login_sucess()
        else:
            password_error()
    else:
        username_error()
def register():
    global username
    global password
    global usr_entry
    global pass_entry
```







Date :

09/8/2022