**Name :Umang Orpadia**

**Class: Fycs**

**Roll no: F098**

**Topic: Student management system**

**Code:**

import csv

from tkinter import\*

from tkinter import ttk

root=Tk()

root.title("school management system")

root.geometry("800x600")

root.configure(*background*="powder blue")

l1=Label(*text*="Username",*font*="lucida 20 bold",*bg*="powder blue")

l1.grid(*row*=0,*column*=0,*padx*=10,*pady*=10)

l2=Label(*text*="Password",*font*="lucida 20 bold",*bg*="powder blue")

l2.grid(*row*=1,*column*=0,*padx*=10,*pady*=10)

#~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~Entery~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

username=Entry(root,*font*="lucida 20 bold",*bg*="powder blue",*relief*=SUNKEN,*bd*=10)

username.grid(*row*=0,*column*=1,*padx*=10,*pady*=10)

password=Entry(root,*show*="\*",*font*="lucida 20 bold",*bg*="powder blue",*relief*=SUNKEN,*bd*=10)

password.grid(*row*=1,*column*=1,*padx*=10,*pady*=10)

#~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~Verify login~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

*def* verify\_details():

    if username.get() == "Umang" and password.get() == "12345":

        root.destroy()

        manage()

    else:

        print("Incorrect username or password")

*def* dis1():

    root3 = Tk()

    root3.geometry("1100x950+5+5")

    root3.title("Displaying record")

    f1=Frame(root3,*bd*=10,*relief*=GROOVE)

    f1.place(*x*=0,*y*=0,*height*=100,*width*=800)

    f2=Frame(root3,*bd*=10,*relief*=GROOVE)

    f2.place(*x*=0,*y*=150,*height*=500,*width*=800)

#~~~~~~~~~~~~~~~name,roll no,contact no,dob,emailid

    la1=Label(f1,*text*="displayes records are",*font*="lucida 30 bold")

    la1.pack(*fill*=BOTH)

    he1 = ttk.Treeview(f2, *columns*=("l1", "l2", "l3", "l4", "l5"))

    he1.heading("l1", *text*="Name")

    he1.heading("l2", *text*="Rollno")

    he1.heading("l3", *text*="D.O.B")

    he1.heading("l4", *text*="Contact")

    he1.heading("l5", *text*="Email")

    he1["show"] = "headings"

    he1.pack(*fill*=BOTH, *expand*=1)

    scrollx = ttk.Scrollbar(f2, *orient*=HORIZONTAL, *command*=he1.xview)

    scrolly = ttk.Scrollbar(f2, *orient*=VERTICAL, *command*=he1.yview)

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

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

    he1.configure(*xscrollcommand*=scrollx.set, *yscrollcommand*=scrolly.set)

    with open("saveit.csv", "r") as f:

        reader=csv.reader(f)

        for i, row in enumerate(reader):

            if i == 0:

                continue  # skip header row

            he1.insert("", "end", *text*=i, *values*=row)

    root3.mainloop()

*def* manage():

    root1=Tk()

    root1.geometry("1100x900+10+10")

    root1.title("Entery page")

    #root1.configure(bg="")

    f1=Frame(root1,*bd*=10,*relief*=GROOVE)

    f1.place(*x*=0,*y*=0,*width*=800,*height*=400)

    f2=Frame(root1,*bd*=10,*relief*=GROOVE)

    f2.place(*x*=0,*y*=450,*width*=800,*height*=100)

    l1=Label(f1,*text*='Student name',*font*="lucida 30 bold")

    l1.grid(*row*=0,*column*=0)

    sname=Entry(f1,*font*="lucida 30 bold",*relief*=GROOVE,*bd*=10)

    sname.grid(*row*=0,*column*=1)

    l2=Label(f1,*text*='Student Rollno',*font*="lucida 30 bold")

    l2.grid(*row*=1,*column*=0)

    sroll=Entry(f1,*font*="lucida 30 bold",*relief*=GROOVE,*bd*=10)

    sroll.grid(*row*=1,*column*=1)

    l3=Label(f1,*text*='Date of Birth',*font*="lucida 30 bold")

    l3.grid(*row*=2,*column*=0)

    sdob=Entry(f1,*font*="lucida 30 bold",*relief*=GROOVE,*bd*=10)

    sdob.grid(*row*=2,*column*=1)

    l4=Label(f1,*text*='Contact no',*font*="lucida 30 bold")

    l4.grid(*row*=3,*column*=0)

    scontact=Entry(f1,*font*="lucida 30 bold",*relief*=GROOVE,*bd*=10)

    scontact.grid(*row*=3,*column*=1)

    l5=Label(f1,*text*='Email-id',*font*="lucida 30 bold")

    l5.grid(*row*=4,*column*=0)

    semail=Entry(f1,*font*="lucida 30 bold",*relief*=GROOVE,*bd*=10)

    semail.grid(*row*=4,*column*=1)

*def* record():

        with open("saveit.csv", "a", *newline*="") as f:

            writer = csv.writer(f)

            writer.writerow([sname.get(), sroll.get(), sdob.get(), scontact.get(), semail.get()])

*def* destroyit():

        root1.destroy()

    sname.delete(0, END)

    sroll.delete(0, END)

    btn1=Button(f2,*text*="Submit",*command*=record,*font*="lucida 20 bold",*bg*="light green",*fg*="red").grid(*row*=0,*column*=0,*padx*=5)

    btn2=Button(f2,*text*="show record",*command*=dis1,*font*="lucida 20 bold",*bg*="light green",*fg*="red").grid(*row*=0,*column*=1,*padx*=5)

    btn3=Button(f2,*text*="Close",*command*=destroyit,*font*="lucida 20 bold",*bg*="light green",*fg*="red").grid(*row*=0,*column*=2,*padx*=5)

    root1.mainloop()

#~~~~~~~~~~~~~~~~~~~~~~~~~~~~~Buttons~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

b1=Button(root,*text*="Login",*command*=verify\_details,*padx*=100,*font*="lucida 20 bold",*bg*="powder blue",*relief*=SUNKEN,*bd*=10)

b1.grid(*row*=2,*column*=1,*padx*=10,*pady*=10)

root.mainloop()