

```

import tkinter as tk
from tkinter import *
from tkinter import ttk, messagebox
import sqlite3 as sql

def register():
    conn=sql.connect('student info.db')
    cursor=conn.cursor()
    cursor.execute("""
    create table if not exists student
    (
        uucmsno varchar(10),
        name varchar(10),
        course varchar(5),
        sem varchar(5),
        gen varchar(8),
        password varchar(10),
        primary key(uucmsno)
    )
    """)
    conn.commit
    print("table created")
    form=tk.Tk()
    form.geometry('800x800')
    form.title("Regsiter")
    lblte=tk.Label(form,text="U15IG22S0227",font=("Arial",20,"bold"),fg="red")
    lblte.grid(row=0,column=1,sticky=tk.W,padx=10,pady=5)
    lbluno=tk.Label(form,text="UUCMSNO",)
    lbluno.grid(row=1,column=0,sticky=tk.W)
    etuno=tk.Entry(form,width=40)
    etuno.grid(row=1,column=1,padx=10,pady=5)
    lblname=tk.Label(form,text="NAME")
    lblname.grid(row=2,column=0,sticky=tk.W)
    etname=tk.Entry(form,width=40)
    etname.grid(row=2,column=1,padx=10,pady=5)
    lblcrs=tk.Label(form,text="COURSE")
    lblcrs.grid(row=3,column=0,sticky=tk.W)
    etcrs=tk.Entry(form,width=40)
    etcrs=tk.StringVar(form)
    etcrs.set("Select Course")
    etcrs_opt=tk.OptionMenu(form,etcrs,"BCA","BCOM","BSC","BA")
    etcrs_opt.grid(row=3,column=1,padx=10,pady=5,sticky=tk.W)
    lblsem=tk.Label(form,text="SEMESTER")
    lblsem.grid(row=4,column=0,sticky=tk.W)
    etsem=tk.Entry(form,width=40)
    etsem=tk.StringVar(form)
    etsem.set("select sem")
    etsem_opt=tk.OptionMenu(form,etsem,"1st","2nd","3rd","4th","5th","6th")
    etsem_opt.grid(row=4,column=1,padx=10,pady=5,sticky=tk.W)

```

```

lbgender=tk.Label(form,text="GENDER")
lbgender.grid(row=5,column=0,sticky=tk.W)
gendervar=tk.StringVar()
gendervar.set("male")
rdbmale=tk.Radiobutton(form,variable=gendervar,value="male",text="MALE")
rdbfemale=tk.Radiobutton(form,variable=gendervar,value="female",text="FEMALE")
rdbmale.grid(row=5,column=1,padx=5,pady=5)
rdbfemale.grid(row=5,column=5,padx=5,pady=5)
lblpas=tk.Label(form,text="PASSWORD")
lblpas.grid(row=6,column=0,sticky=tk.W)
etpas=tk.Entry(form,width=40,show="*")
etpas.grid(row=6,column=1,padx=10,pady=5)
def save():
    uno=etuno.get()
    name=etname.get()
    crs=etcrs.get()
    sem=etsem.get()
    gen=gendervar.get()
    pas=etpas.get()
    cursor.execute('''
        insert into student (uucmsno,name,course,sem,gen,password) values
        (?, ?, ?, ?, ?, ?)
        ''',(uno,name,crs,sem,gen,pas))
    row=f"UUCMSNO={etuno},NAME={etname},course={etcrs},sem={etsem},gender={gendervar},password={etpas}"
    conn.commit()
    tk.messagebox.showinfo("Message","Data Saved Successfully")
    etuno.delete(0,END)
    etname.delete(0,END)
    etsem.set("Select Sem")
    etcrs.set("Select Course")
    etpas.delete(0,END)
def display():
    # Treeview for displaying data
    tree = ttk.Treeview(form, columns=('UUCMSNO', 'name', 'course', 'sem', 'gender', 'password'),show='headings')
    tree.heading('UUCMSNO', text='UUCMS No')
    tree.heading('name', text='Name')
    tree.heading('course', text='Course')
    tree.heading('sem', text='Semester')
    tree.heading('gender', text='Gender')
    tree.heading('password', text='Password')
    tree.grid(row=8, column=0, columnspan=3, padx=10, pady=10)
    cursor.execute('select * from student')
    rows=cursor.fetchall()
    for row in rows:
        tree.insert('', END,values=row)

```

```

savebtn=tk.Button(form,text="SAVE",command=save)
savebtn.grid(row=7,column=1,sticky=tk.W,padx=0,pady=20,ipadx=10,ipady=5)

disbtn=tk.Button(form,text="DISPLAY",command=display)
disbtn.grid(row=7,column=1,sticky=tk.W,padx=80,pady=20,ipadx=10,ipady=5)

form.mainloop()

```

```

import tkinter as tk
from tkinter import *
import tkinter.messagebox as msgbox
import sqlite3 as sql
import regs

def loginfrm():
    form=tk.Tk()
    form.geometry('400x400')
    form.title("Login")
    lblte=tk.Label(form,text="U15IG22S0227",font=("Arial",20,"bold"),fg="red")
    lblte.grid(row=0,column=1,sticky=tk.W,padx=10,pady=5)
    conn = sql.connect('student info.db')
    cursor = conn.cursor()

    #label widget of uucms no
    lbluno=tk.Label(form,text="UUCMS No")
    lbluno.grid(row=1,column=0,sticky=tk.W)
    #entry widget of uucms no
    etuno=tk.Entry(form,width=40)
    etuno.grid(row=1,column=1,padx=10,pady=5)
    #label widget of password
    lblpass=tk.Label(form,text="Password")
    lblpass.grid(row=2,column=0,sticky=tk.W)
    #entry widget of password
    etpass=tk.Entry(form,width=40,show="*")
    etpass.grid(row=2,column=1,padx=10,pady=5)
    def verify_login():
        uno=etuno.get()
        pas=etpass.get()
        cursor.execute('select * from student where uucmsno=? and
password=?',(uno,pas))
        res=cursor.fetchone()
        if res:
            msgbox.showinfo("message","Login Success")
            etuno.delete(0,END)

```

```

        etpass.delete(0,END)
    else:
        msgbox.showerror("message","invalid password or username")

lgnbtn=tk.Button(form,text="Login",command=verify_login)
lgnbtn.grid(row=3,column=1,pady=5,ipadx=10,ipady=5,sticky=tk.W)

def showregs():
    form.destroy()
    regs.register()

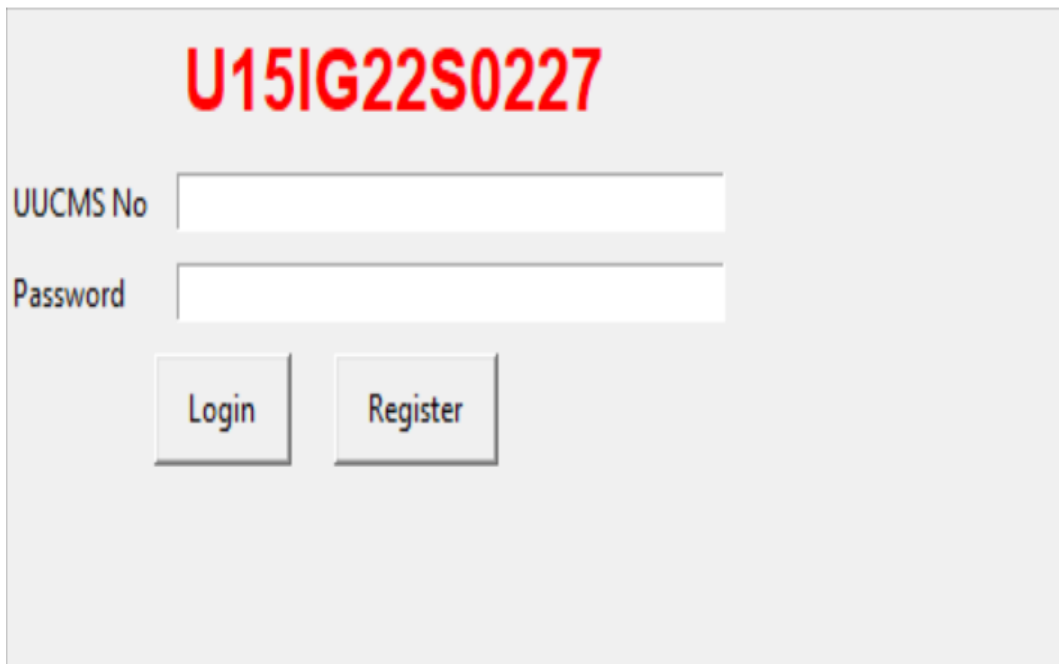
regsbtn=tk.Button(form,text="Register",command=showregs)
regsbtn.grid(row=3,column=1,padx=80,pady=5,ipadx=10,ipady=5,sticky=tk.W)

form.mainloop()

loginfrm()

```

 Login



U15IG22S0227

UUCMS No

Password

Login Register

U15IG22S0227

UUCMSNO

NAME

COURSE

SEMESTER

GENDER ☒ MALE ☐ FEMALE

PASSWORD

SAVE

DISPLAY

U15IG22S0227

UUCMSNO

NAME

COURSE

SEMESTER

GENDER ☐ MALE ☒ FEMALE

PASSWORD

SAVE

DISPLAY

UUCMS No	Name	Course	Semester	Gender	Password
227	akshata	BCA	3rd	female	123
203	shree	BSC	4th	female	1234