INTRODUCTION

THIS PROJECT HAS BEEN MADE FOR STORING STUDENT DATA IN ONE PLACE

SO WE USE MYSQL AND PYTHON FOR STORING THE DATA . THIS PROGRAM

CONTAIN STUDENT DETAILS LIKE :- ID , NAME , MOBILE , EMAIL , ADDRESS ,

GENDER , D.O.B , ADDEDDATE , TIME. THIS PROGRAM ALSO HAS FUNCTIONS

LIKE :- UPDATE , DELETE , ADD , EXPORT , SHOW ,IT'S REDUCED THE EFFORTS

TO TYPE THE WHOLE MYSQL QUERIES. IN THIS PROGRAM YOU JUST NEED THE

CLICK ON FUNCTION AND THEN PERFORM YOUR TASK.

A.I.M

THE MAIN AIM OF MY PROJECT IS TO STORE DATA IN TABULAR

FORM AND THE USER FETCH ALL THE DATA AS PER HIS OR HER

REQUEST AND IT SHOULD BE EASY FOR USE AND UNDERSTAND

BY ALL . THE SMART AND COOL FUNCTION OF MY PROJECT IS

YOU JUST EXPORT YOUR DATA IN THE FORM OF EXCEL FILE.

NOW A DAYS STUDENTS ARE PRESENT EVERYWHERE IN

SCHOOL'S , LIBRARY , COLLAGES , INSTITUTES ,ETC. SO THIS

PROGRAM IS SUITABLE FOR EVERYWHERE.

MERITS

➢ **FIVE MERITS OF MY PROGRAM:-**

1. EASY TO USE AND UNDERSTAND.

2. GIVES HIGH SPEED IN EVERY TASK.

3. PERFORM DIFFERENT TASK.

4. SAVE TIME AND EFFORTS.

5. CONVERT YOUR DATA INTO SPREADSHEET.

DEMERITS

➢ THREE DEMERITS OF MY PROGRAM:-

1. WHEN EVER USER CLOSE THE PROGRAM AND IMMEDIATELY AGAIN THEY START THE PROGRAM THEN THEY NEED TO CONNECT AGAIN BY ENTER THEIR INFO.

2. USER CANNOT ADD MORE COLUMNS IN DATABASE.

3. USER CAN PERFORM ONLY BASIC FUNCTION NOT EVERY FUNCTION LIKE :- SORT , MAX , ETC.

❖ HARDWARE , SOFTWARE , AND OPERATING SYSTEM:

➢ **HARDWARE:-**

1. **RAM = 4GB(MINIMUM)**

2. **ROM = 100 GB(MINIMUM)**

3. **GRAPHIC ACCELERATORS NVIDIA OR ATI WITH SUPPORT OF OPENGL 1.5 OR HIGER.**

4. **CORE :DUAL/QUAD COR IS RECOMMENDED**

5. **CPU: INTEL CORE OR XEON 3GH (OR DUAL CORE 2 GHz) OR EQUAL AMD CPU.**

➢ **SOFTWARE:-**

1. **MYSQL(WITH ALL COMPONENTS)**

2. **PYTHON(WITH ALL MODULES WHICH REQUIRED)**

3. **SUBLIME TEXT**

➢ **OPERATING SYSTEM:-**

   1. **WINDOWS XP,7,OR HIGHER**

STUDENT MANAGEMENT SYSTEM

```python
def addstudent():
    def submitadd():
        id = idval.get()
        name = nameval.get()
        mobile = mobileval.get()
        email = emailval.get()
        address = addressval.get()
        gender = genderval.get()
        dob = dobval.get()
        addedtime = time.strftime("%H:%M:%S")
        addeddate = time.strftime("%d:%m:%y")
        try:
            strr = 'insert into studentdata1 values(%s,%s,%s,%s,%s,%s,%s,%s,%s)'

    mycursor.execute(strr,(id,name,mobile,email,address,gender,dob,addeddate,addedtime))
            con.commit()
            res = messagebox.askyesnocancel('notifications','Id{} Name{} Added sucessfully.. and want to clean the form'.format(id,name),parent=addroot)
            if(res==True):
                idval.set('')
                nameval.set('')
```

```python
                    mobileval.set('')
                    emailval.set('')
                    addressval.set('')
                    genderval.set('')
                    dobval.set('')


        except:
                messagebox.showerror('notifications','Id
already exist try another id...',parent=addroot)
        strr = "select * from studentdata1"
        mycursor.execute(strr)
        datas = mycursor.fetchall()
        studenttable.delete(*studenttable.get_children())
        for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)
    ###################################################
################## Add student Labels
    addroot = Toplevel(master=DataEntryFrame)
    addroot.grab_set()
    addroot.geometry("470x540+220+200")
    addroot.title('Student Management System')
    addroot.config(bg='firebrick1')
    addroot.iconbitmap("manager.ico")
    addroot.resizable(False,False)
```

```python
    idlabel =Label(addroot,text="Enter
Id:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,bor
derwidth=3,width=12,anchor='w')
    idlabel.place(x=10,y=10)


    namelabel =Label(addroot,text="Enter
Name:",bg="gold2",font=("times",20,'bold'),relief=GROOVE
,borderwidth=3,width=12,anchor='w')
    namelabel.place(x=10,y=70)


    mobilelabel =Label(addroot,text="Enter
Mobile:",bg="gold2",font=("times",20,'bold'),relief=GROOV
E,borderwidth=3,width=12,anchor='w')
    mobilelabel.place(x=10,y=130)


    emaillabel =Label(addroot,text="Enter
Email:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,
borderwidth=3,width=12,anchor='w')
    emaillabel.place(x=10,y=190)


    Addresslabel =Label(addroot,text="Enter
Address:",bg="gold2",font=("times",20,'bold'),relief=GROO
VE,borderwidth=3,width=12,anchor='w')
    Addresslabel.place(x=10,y=250)


    genderlabel =Label(addroot,text="Enter
Gender:",bg="gold2",font=("times",20,'bold'),relief=GROOV
E,borderwidth=3,width=12,anchor='w')
    genderlabel.place(x=10,y=310)
```

```python
    doblabel =Label(addroot,text="Enter
D.O.B:",bg="gold2",font=("times",20,'bold'),relief=GROOVE
,borderwidth=3,width=12,anchor='w')
    doblabel.place(x=10,y=370)

    #################################################
#############Add student enteries
    idval = StringVar()
    nameval = StringVar()
    mobileval = StringVar()
    emailval = StringVar()
    addressval = StringVar()
    genderval = StringVar()
    dobval = StringVar()


    identry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=id
val)
    identry.place(x=230,y=10)


    nameentry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=n
ameval)
    nameentry.place(x=230,y=70)
```

```python
    mobileentry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=m
obileval)
    mobileentry.place(x=230,y=130)


    emailentry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=e
mailval)
    emailentry.place(x=230,y=190)


    addressentry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=a
ddressval)
    addressentry.place(x=230,y=250)


    genderentry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=g
enderval)
    genderentry.place(x=230,y=310)


    dobentry =
Entry(addroot,font=("times",15,"bold"),bd=5,textvariable=d
obval)
    dobentry.place(x=230,y=370)
    #################################################
#add button
    submitbtn =
Button(addroot,text="Submit",font=('times',15,'bold'),width
=20,bd=5,activebackground='blue',activeforeground='white'
,
```

```python
                              bg='red',command=submitadd)
    submitbtn.place(x=100,y=420)


    addroot.mainloop()
def searchstudent():
    def search():
        id = idval.get()
        name = nameval.get()
        mobile = mobileval.get()
        email = emailval.get()
        address = addressval.get()
        gender = genderval.get()
        dob = dobval.get()
        addeddate = time.strftime("%d:%m:%y")
        if(id != ""):
            strr = 'select * from studentdata1 where id=%s'
            mycursor.execute(strr,(id))
            datas = mycursor.fetchall()

    studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


        elif(name != ""):
```

```python
            strr = 'select * from studentdata1 where name=%s'
            mycursor.execute(strr,(name))
            datas = mycursor.fetchall()

    studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


        elif(mobile != ""):
            strr = 'select * from studentdata1 where mobile=%s'
            mycursor.execute(strr,(mobile))
            datas = mycursor.fetchall()

    studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


        elif(email != ""):
            strr = 'select * from studentdata1 where email=%s'
            mycursor.execute(strr,(email))
            datas = mycursor.fetchall()
```

```python
        studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


    elif(address != ""):
            strr = 'select * from studentdata1 where address=%s'
            mycursor.execute(strr,(address))
            datas = mycursor.fetchall()

        studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


    elif(gender != ""):
            strr = 'select * from studentdata1 where gender=%s'
            mycursor.execute(strr,(gender))
            datas = mycursor.fetchall()

        studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)
```

```python
        elif(dob != ""):
            strr = 'select * from studentdata1 where dob=%s'
            mycursor.execute(strr,(dob))
            datas = mycursor.fetchall()

    studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


        elif(addeddate != ""):
            strr = 'select * from studentdata1 where addeddate=%s'
            mycursor.execute(strr,(addeddate))
            datas = mycursor.fetchall()

    studenttable.delete(*studenttable.get_children())
            for i in datas:
                vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
                studenttable.insert('',END,values=vv)


    searchroot = Toplevel(master=DataEntryFrame)
    searchroot.grab_set()
    searchroot.geometry("470x540+220+200")
    searchroot.title('Student Management System')
```

```python
searchroot.config(bg='firebrick1')

searchroot.iconbitmap("manager.ico")

searchroot.resizable(False,False)

################################################
################# Add student Labels
idlabel =Label(searchroot,text="Enter
Id:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,bor
derwidth=3,width=12,anchor='w')

idlabel.place(x=10,y=10)

namelabel =Label(searchroot,text="Enter
Name:",bg="gold2",font=("times",20,'bold'),relief=GROOVE
,borderwidth=3,width=12,anchor='w')

namelabel.place(x=10,y=70)


mobilelabel =Label(searchroot,text="Enter
Mobile:",bg="gold2",font=("times",20,'bold'),relief=GROOV
E,borderwidth=3,width=12,anchor='w')

mobilelabel.place(x=10,y=130)


emaillabel =Label(searchroot,text="Enter
Email:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,
borderwidth=3,width=12,anchor='w')

emaillabel.place(x=10,y=190)


Addresslabel =Label(searchroot,text="Enter
Address:",bg="gold2",font=("times",20,'bold'),relief=GROO
VE,borderwidth=3,width=12,anchor='w')

Addresslabel.place(x=10,y=250)
```

```python
    genderlabel =Label(searchroot,text="Enter
Gender:",bg="gold2",font=("times",20,'bold'),relief=GROOV
E,borderwidth=3,width=12,anchor='w')

    genderlabel.place(x=10,y=310)


    doblabel =Label(searchroot,text="Enter
D.O.B:",bg="gold2",font=("times",20,'bold'),relief=GROOVE
,borderwidth=3,width=12,anchor='w')

    doblabel.place(x=10,y=370)


    datelabel =Label(searchroot,text="Enter
Date:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,
borderwidth=3,width=12,anchor='w')

    datelabel.place(x=10,y=430)

    #####################################################
##############Add student enteries
    idval = StringVar()

    nameval = StringVar()

    mobileval = StringVar()

    emailval = StringVar()

    addressval = StringVar()

    genderval = StringVar()

    dobval = StringVar()

    dateval = StringVar()
```

```python
    identry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=idval)

    identry.place(x=230,y=10)


    nameentry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=nameval)

    nameentry.place(x=230,y=70)


    mobileentry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=mobileval)

    mobileentry.place(x=230,y=130)


    emailentry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=emailval)

    emailentry.place(x=230,y=190)


    addressentry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=addressval)

    addressentry.place(x=230,y=250)


    genderentry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=genderval)

    genderentry.place(x=230,y=310)
```

```python
    dobentry =
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=dobval)

    dobentry.place(x=230,y=370)


    dateentry=
Entry(searchroot,font=("times",15,"bold"),bd=5,textvariable
=dateval)

    dateentry.place(x=230,y=430)

    ##############################################
#add button
    submitbtn =
Button(searchroot,text="Search",font=('times',15,'bold'),wid
th=20,bd=5,activebackground='green2',activeforeground='
white',

                            bg='blue',command=search)

    submitbtn.place(x=100,y=490)


    searchroot.mainloop()


    print("student search")
def deletestudent():
    cc = studenttable.focus()
    content = studenttable.item(cc)
    pp = content['values'][0]
    strr = 'delete from studentdata1 where id=%s'
    mycursor.execute(strr,(pp))
```

```python
        con.commit()
        messagebox.showinfo('notifications','ld{} deleteed
sucessfully....'.format(pp))
        strr = 'select * from studentdata1'
        mycursor.execute(strr)
        datas = mycursor.fetchall()
        studenttable.delete(*studenttable.get_children())
        for i in datas:
            vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
            studenttable.insert('',END,values=vv)


def updatestudent():
    def update():
        id = idval.get()
        name = nameval.get()
        mobile = mobileval.get()
        email = emailval.get()
        address = addressval.get()
        gender = genderval.get()
        dob = dobval.get()
        addeddate = dateval.get()
        time = timeval.get()


        strr = 'update studentdata1 set
name=%s,mobile=%s,email=%s,address=%s,gender=%s,do
b=%s,addeddate=%s,time=%s where id=%s'
```

```python
        mycursor.execute(strr,(name,mobile,email,address,gen
der,dob,addeddate,time,id))
        con.commit()
        messagebox.showinfo('notifications',"Id{} Modified
sucessfully....".format(id),parent=updateroot)
        strr = 'select * from studentdata1'
        mycursor.execute(strr)
        datas = mycursor.fetchall()
        studenttable.delete(*studenttable.get_children())
        for i in datas:
            vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
            studenttable.insert('',END,values=vv)


    updateroot = Toplevel(master=DataEntryFrame)
    updateroot.grab_set()
    updateroot.geometry("470x640+220+200")
    updateroot.title('Student Management System')
    updateroot.config(bg='firebrick1')
    updateroot.iconbitmap("manager.ico")
    updateroot.resizable(False,False)
    ####################################################
################# Add student Labels
    idlabel =Label(updateroot,text="Enter
Id:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,bor
derwidth=3,width=12,anchor='w')
    idlabel.place(x=10,y=10)
```

```python
    namelabel =Label(updateroot,text="Enter
Name:",bg="gold2",font=("times",20,'bold'),relief=GROOVE
,borderwidth=3,width=12,anchor='w')
    namelabel.place(x=10,y=70)


    mobilelabel =Label(updateroot,text="Enter
Mobile:",bg="gold2",font=("times",20,'bold'),relief=GROOV
E,borderwidth=3,width=12,anchor='w')
    mobilelabel.place(x=10,y=130)


    emaillabel =Label(updateroot,text="Enter
Email:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,
borderwidth=3,width=12,anchor='w')
    emaillabel.place(x=10,y=190)


    Addresslabel =Label(updateroot,text="Enter
Address:",bg="gold2",font=("times",20,'bold'),relief=GROO
VE,borderwidth=3,width=12,anchor='w')
    Addresslabel.place(x=10,y=250)


    genderlabel =Label(updateroot,text="Enter
Gender:",bg="gold2",font=("times",20,'bold'),relief=GROOV
E,borderwidth=3,width=12,anchor='w')
    genderlabel.place(x=10,y=310)


    doblabel =Label(updateroot,text="Enter
D.O.B:",bg="gold2",font=("times",20,'bold'),relief=GROOVE
,borderwidth=3,width=12,anchor='w')
```

```python
    doblabel.place(x=10,y=370)

    datelabel =Label(updateroot,text="Enter
Date:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,
borderwidth=3,width=12,anchor='w')
    datelabel.place(x=10,y=430)


    timelabel =Label(updateroot,text="Enter
Time:",bg="gold2",font=("times",20,'bold'),relief=GROOVE,
borderwidth=3,width=12,anchor='w')
    timelabel.place(x=10,y=490)
    ###########################################################
#############Add student enteries
    idval = StringVar()
    nameval = StringVar()
    mobileval = StringVar()
    emailval = StringVar()
    addressval = StringVar()
    genderval = StringVar()
    dobval = StringVar()
    dateval = StringVar()
    timeval = StringVar()


    identry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=idval)
    identry.place(x=230,y=10)
```

```python
    nameentry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=nameval)

    nameentry.place(x=230,y=70)


    mobileentry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=mobileval)

    mobileentry.place(x=230,y=130)


    emailentry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=emailval)

    emailentry.place(x=230,y=190)


    addressentry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=addressval)

    addressentry.place(x=230,y=250)


    genderentry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=genderval)

    genderentry.place(x=230,y=310)


    dobentry =
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=dobval)
```

```python
    dobentry.place(x=230,y=370)


    dateentry=
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=dateval)
    dateentry.place(x=230,y=430)


    timeentry=
Entry(updateroot,font=("times",15,"bold"),bd=5,textvariable
=timeval)
    timeentry.place(x=230,y=490)
    ################################################
#add button
    submitbtn =
Button(updateroot,text="Update",font=('times',15,'bold'),wi
dth=20,bd=5,activebackground='green2',activeforeground='
white',
                          bg='blue',command=update)
    submitbtn.place(x=100,y=550)
    cc = studenttable.focus()
    content = studenttable.item(cc)
    pp = content['values']
    if(len(pp)!=0):
        idval.set(pp[0])
        nameval.set(pp[1])
        mobileval.set(pp[2])
        emailval.set(pp[3])
        addressval.set(pp[4])
```

```python
            genderval.set(pp[5])
            dobval.set(pp[6])
            dateval.set(pp[7])
            timeval.set(pp[8])


    updateroot.mainloop()
    print("student update")
def showstudent():
        strr = 'select * from studentdata1'
        mycursor.execute(strr)
        datas = mycursor.fetchall()
        studenttable.delete(*studenttable.get_children())
        for i in datas:
            vv = [i[0],i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[8]]
            studenttable.insert('',END,values=vv)
def exportstudent():
    ff = filedialog.asksaveasfilename()
    gg = studenttable.get_children()
    id,name,mobile,email,address,gender,dob,addeddate,ad
dedtime=[],[],[],[],[],[],[],[],[]
    for i in gg:
        content = studenttable.item(i)
        pp = content['values']

    id.append(pp[0]),name.append(pp[1]),mobile.append(pp
```

```python
[2]),email.append(pp[3]),address.append(pp[4]),gender.app
end(pp[5]),

    dob.append(pp[6]),addeddate.append(pp[7]),addedtime.
append(pp[8])
    dd =
['Id','Name','Mobile','Email','Address','Gender','D.O.B','Adde
ddate','Addedtime']
    df =
pandas.DataFrame(list(zip(id,name,mobile,email,address,g
ender,dob,addeddate,addedtime)),columns=dd)
    paths = r'{}.csv'.format(ff)
    df.to_csv(paths,index=False)
    messagebox.showinfo('notifications',"Student data is
sucessfully saved.....".format(paths))



def exitstudent():
    res = messagebox.askyesnocancel("notification","Do
you want to exit?")
    if(res==True):
        root.destroy()
#################################################
#############################connection
of database
def connectdb():
    def submitdb():
        global con,mycursor
        #host = hostval.get()
```

```python
        #user = userval.get()
        #password = passwordval.get()
        host = 'localhost'
        user = 'root'
        password = '2002'
        try:
            con =pymysql.connect(host=host,user=user,password=password)
            mycursor = con.cursor()
        except:
            messagebox.showerror('notification','Data is incorrect please try again')
            return
        try:
            strr = 'create database studentmanagementsystem1'
            mycursor.execute(strr)
            strr = 'use studentmanagementsystem1'
            mycursor.execute(strr)
            strr = 'create table studentdata1(id int(11),name varchar(25),Mobile varchar(12),Email varchar(50),Address varchar(100),gender varchar(10),dob varchar(25),addeddate varchar(25),time varchar(25))'
            mycursor.execute(strr)

            strr = 'alter table studentdata1 modify column id int not null'
```

```python
                mycursor.execute(strr)
                strr = 'alter table studentdata1 modify column id int primary key'
                mycursor.execute(strr)
                messagebox.showinfo('notification','Database Created and Now You are connected to the database.....',parent=dbroot)


        except:
                strr="use studentmanagementsystem1"
                mycursor.execute(strr)
                messagebox.showinfo('notification','Now You are connected to the database.....',parent=dbroot)
            dbroot.destroy()




    dbroot = Toplevel()
    dbroot.grab_set()
    dbroot.geometry("470x250+800+230")
    dbroot.iconbitmap("manager.ico")
    dbroot.resizable(False,False)
    dbroot.config(bg="blue")
    ################################# connectdb Labels
```

```python
    hostlabel = Label(dbroot,text="Enter host :
",bg="gold2",font=("times",20,"bold"),relief=GROOVE,bord
erwidth=3,width=12,anchor='w')
    hostlabel.place(x=10,y=10)


    userlabel = Label(dbroot,text="Enter user :
",bg="gold2",font=("times",20,"bold"),relief=GROOVE,bord
erwidth=3,width=12,anchor='w')
    userlabel.place(x=10,y=70)


    passwordlabel = Label(dbroot,text="Enter password :
",bg="gold2",font=("times",20,"bold"),relief=GROOVE,bord
erwidth=3,width=13,anchor='w')
    passwordlabel.place(x=10,y=130)


##############################################connect
db Entry
    hostval = StringVar()
    userval = StringVar()
    passwordval = StringVar()


    hostentry =
Entry(dbroot,font=("times",15,"bold"),bd=5,textvariable=ho
stval)
    hostentry.place(x=250,y=10)


    userentry =
Entry(dbroot,font=("times",15,"bold"),bd=5,textvariable=us
erval)
```

```python
    userentry.place(x=250,y=70)


    passwordentry =
Entry(dbroot,font=("times",15,"bold"),bd=5,textvariable=pa
sswordval)
    passwordentry.place(x=250,y=130)


############################################################
####### connectdb button
    submitbutton =
Button(dbroot,text="Submit",font=("times",15,"bold"),width
=20,bg="red",activebackground="orange",activeforegroun
d="white",bd=5,command=submitdb)

    submitbutton.place(x=100,y=190)
    dbroot.mainloop()




############################################################
#
def tick():
    time_string = time.strftime("%H:%M:%S")
    date_string = time.strftime("%d/%m/%y")
    clock.config(text="Date :"+date_string+ "\n" +"Time
:"+time_string)
    clock.after(200,tick)
```

```python
########################################################
################################### Intro slider
import random
colors =
["red","yellow","green","blue","pink","red2","gold2"]
def IntroLabelColorTick():
    fg = random.choice(colors)
    SliderLabel.config(fg=fg)
    SliderLabel.after(2,IntroLabelColorTick)


def IntroLabelTick():
    global count,text
    if(count>=len(ss)):
        count = 0
        text = ""
        SliderLabel.config(text=text)
    else:
        text = text+ss[count]
        SliderLabel.config(text=text)
        count+=1
    SliderLabel.after(100,IntroLabelTick)
########################################################
########################################################
###########
from tkinter import*
from tkinter import Toplevel,messagebox,filedialog
from tkinter.ttk import Treeview
```

```python
from tkinter import ttk
import pandas
import pymysql
import time
root =Tk()
root.title("Student Management System")
root.config(bg="gold2")
root.geometry("1174x700+200+50")
root.iconbitmap("manager.ico")
root.resizable(False,False)

##################################################################
##################################################################
############### frames

##################################################################
#######################data entry frame intro


DataEntryFrame =
Frame(root,bg="gold2",relief=GROOVE,bd=5)
DataEntryFrame.place(x=10,y=80,width=500,height=600)
frontlabel = Label(DataEntryFrame,text="--------------
Welcome--------------
",width=30,font=("Algerian",22,"bold","italic"),bg='gold2')
frontlabel.pack(side=TOP,expand=True)


addbtn = Button(DataEntryFrame,text="1. Add
student",width=15,font=("Algerian",20,"bold"),bd=5,bg='sk
yblue3',activebackground="blue",relief=RIDGE,
```

```python
        activeforeground="white",command=addstudent)
addbtn.pack(side=TOP,expand=True)


searchbtn = Button(DataEntryFrame,text="2. search
student
",width=15,font=("Algerian",20,"bold"),bd=5,bg='skyblue3',
activebackground="blue",relief=RIDGE,

    activeforeground="white",command=searchstudent)
searchbtn.pack(side=TOP,expand=True)


deletebtn = Button(DataEntryFrame,text="3. delete
student",width=15,font=("Algerian",20,"bold"),bd=5,bg='sk
yblue3',activebackground="blue",relief=RIDGE,

    activeforeground="white",command=deletestudent)
deletebtn.pack(side=TOP,expand=True)


updatebtn = Button(DataEntryFrame,text="4. update
student",width=15,font=("Algerian",20,"bold"),bd=5,bg='sk
yblue3',activebackground="blue",relief=RIDGE,

    activeforeground="white",command=updatestudent)
updatebtn.pack(side=TOP,expand=True)


showallbtn = Button(DataEntryFrame,text="5. show
student",width=15,font=("Algerian",20,"bold"),bd=5,bg='sk
yblue3',activebackground="blue",relief=RIDGE,
```

```python
        activeforeground="white",command=showstudent)
showallbtn.pack(side=TOP,expand=True)


exportbtn = Button(DataEntryFrame,text="6. Export
Data",width=15,font=("Algerian",20,"bold"),bd=5,bg='skybl
ue3',activebackground="blue",relief=RIDGE,

        activeforeground="white",command=exportstudent)
exportbtn.pack(side=TOP,expand=True)


exitbtn = Button(DataEntryFrame,text="7.
Exit",width=15,font=("Algerian",20,"bold"),bd=5,bg='skyblu
e3',activebackground="blue",relief=RIDGE,

        activeforeground="white",command=exitstudent)
exitbtn.pack(side=TOP,expand=True)
############################################################
#######################show data frame
ShowDataFrame =
Frame(root,bg="gold2",relief=GROOVE,bd=5)
ShowDataFrame.place(x=550,y=80,width=620,height=600)


############################################################
###########showdataframe
style = ttk.Style()
style.configure('Treeview.Heading',font=("Algerian",20,'bol
d'),foreground='blue')
```

```python
style.configure('Treeview',font=("times",15,'bold'),foregrou
nd='black',background='cyan')

scroll_x = Scrollbar(ShowDataFrame,orient=HORIZONTAL)

scroll_y = Scrollbar(ShowDataFrame,orient=VERTICAL)

studenttable =
Treeview(ShowDataFrame,column=('Id','Name','Mobile
No','Email','Address','Gender','D.O.B','Added Date','Added
Time'),

    yscrollcommand=scroll_y.set,xscrollcommand=scroll_x
.set)

scroll_x.pack(side=BOTTOM,fill=X)

scroll_y.pack(side=RIGHT,fill=Y)

scroll_x.config(command= studenttable.xview)

scroll_y.config(command=studenttable.yview)

studenttable.heading('Id',text='Id')

studenttable.heading('Name',text='Name')

studenttable.heading('Mobile No',text='Mobile No')

studenttable.heading('Email',text='Email')

studenttable.heading('Address',text='Address')

studenttable.heading('Gender',text='Gender')

studenttable.heading('D.O.B',text='D.O.B')

studenttable.heading('Added Date',text='Added Date')

studenttable.heading('Added Time',text='Added Time')

studenttable['show'] = 'headings'

studenttable.column('Id',width=100)

studenttable.column('Name',width=200)
```

```python
studenttable.column('Mobile No',width=200)
studenttable.column('Email',width=300)
studenttable.column('Address',width=500)
studenttable.column('Gender',width=100)
studenttable.column('D.O.B',width=200)
studenttable.column('Added Date',width=200)
studenttable.column('Added Time',width=200)
studenttable.pack(fill=BOTH,expand=1)




##############################################################
##############################################################
########### slider
ss = "Welcome To Student Management System"
count = 0
text = ""
#########################################################
SliderLabel
=Label(root,text=ss,font=("Algerian",20,"italic","bold"),relie
f=RIDGE,bd=4,width=35,bg="cyan")
SliderLabel.place(x=260,y=0)
IntroLabelTick()
IntroLabelColorTick()
##############################################################
##############################################################
########### clock
```

```python
clock = Label(root,font=("times",14,"bold"),relief=RIDGE,bd=4,bg="lawn green")

clock.place(x=0,y=0)

tick()

##############################################################################################################################

########### connect to database

connectbutton = Button(root,text="Connect To Database",width=20,font=("Algerian",13,"italic","bold"),relief=RIDGE,borderwidth=5,bg="green2",

    activebackground="blue",activeforeground="white",command=connectdb)

connectbutton.place(x=938,y=0)


root.mainloop()
```

OUTPUT:-
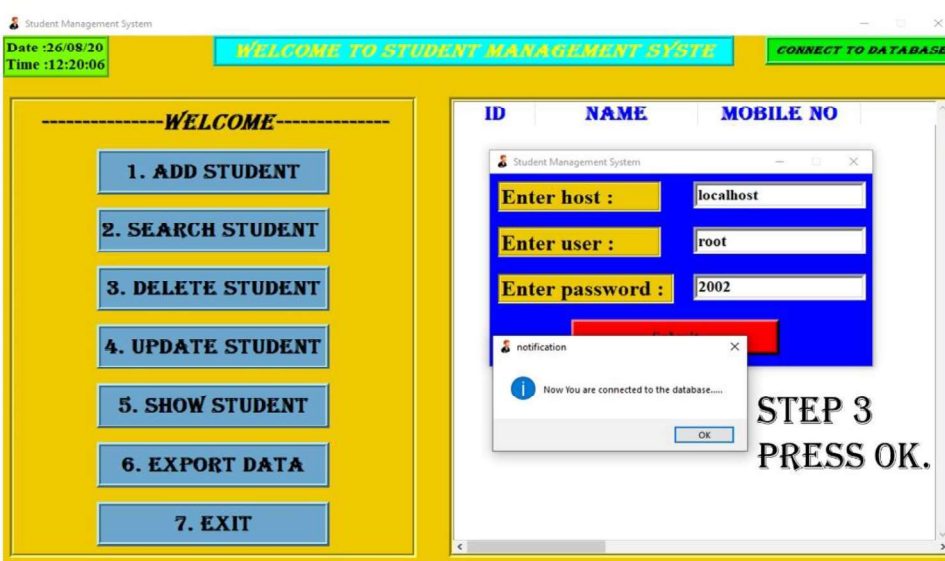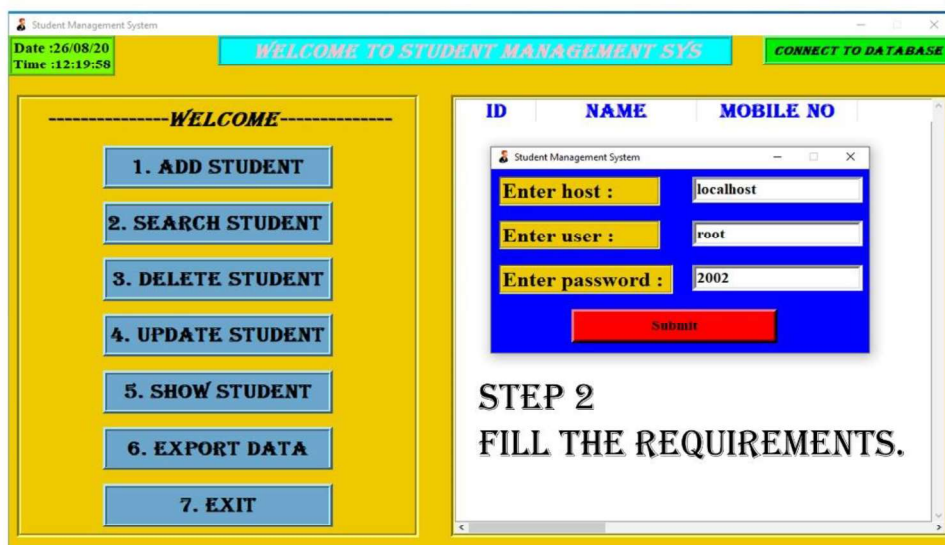
Screen 1 — Student Management System

Date :26/08/20
Time :12:20:17

WELCOME TO STUDENT MANAGEM

CONNECT TO DATABASE

----------------WELCOME----------------

1. ADD STUDENT
2. SEARCH STUDENT
3. DELETE STUDENT
4. UPDATE STUDENT
5. SHOW STUDENT
6. EXPORT DATA
7. EXIT

ID	NAME	MOBILE NO

STEP 1
CLICK ON ADD STUDENT.

Screen 2 — Student Management System

Date :26/08/20
Time :12:45:41

WE

CONNECT TO DATABASE

----------------WELCOME----------------

Enter Id: 13
Enter Name: VARUN TYAGI
Enter Mobile: 9556248832
Enter Email: varunty32@gmail.com
Enter Address: WAZIRABAD
Enter Gender: MALE
Enter D.O.B: 20/08/2002

Submit

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw;
3	JAYENDRA YADAV	9876543210	jayendra1:
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254(
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish5

STEP 2
FILL THE REQUIREMENTS
AND PRESS SUBMIT BUTTON.

Screen 3 — Student Management System

Date :26/08/20
Time :12:47:36

WELCOME TO STUDENT MANAGEMENT S

CONNECT TO DATABASE

----------------WELCOME----------------

Enter Id:
Enter Name:
Enter Mobile:
Enter Email:
Enter Address:
Enter Gender:
Enter D.O.B:

Submit

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw;
3	JAYENDRA YADAV	9876543210	jayendra1:
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254(
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish5
13	VARUN TYAGI	9556248832	varunty32

STEP 3
NOW YOU SEE .

FOLLOW THESE STEP TO ADD DATA IN DATABASE.

STEP 1
CLICK ON SEARCH STUDENT.

STEP 2
FILL THE REQUIREMENTS AND PRESS SUBMIT BUTTON.

STEP 3
NOW YOU SEE .

FOLLOW THESE STEP TO SEARCH DATA IN DATABASE.

Student Management System

Date :26/08/20
Time :13:06:21

WELCOME TO STUDENT MANAGEMENT

CONNECT TO DATABASE

----------------WELCOME----------------

1. ADD STUDENT
2. SEARCH STUDENT
3. DELETE STUDENT
4. UPDATE STUDENT
5. SHOW STUDENT
6. EXPORT DATA
7. EXIT

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw;
3	JAYENDRA YADAV	9876543210	jayendra1;
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254@
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish54
13	VARUN TYAGI	9556248832	varunty32

STEP 1
SHOW STUDENT AND
SELECT WHAT YOU WANT
TO DELETE.

Student Management System

Date :26/08/20
Time :13:09:40

WELCOME TO

CONNECT TO DATABASE

----------------WELCOME----------------

1. ADD STUDENT
2. SEARCH STUDENT
3. DELETE STUDENT
4. UPDATE STUDENT
5. SHOW STUDENT
6. EXPORT DATA
7. EXIT

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw;
3	JAYENDRA YADAV	9876543210	jayendra1;
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254@
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish54
13	VARUN TYAGI	9556248832	varunty32

notifications ✕

ℹ Id13 deleteed sucessfully....

OK

STEP 2
CLICK ON DELETE STUDENT.

Student Management System

Date :26/08/20
Time :13:12:01

WEL

CONNECT TO DATABASE

----------------WELCOME----------------

1. ADD STUDENT
2. SEARCH STUDENT
3. DELETE STUDENT
4. UPDATE STUDENT
5. SHOW STUDENT
6. EXPORT DATA
7. EXIT

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw;
3	JAYENDRA YADAV	9876543210	jayendra1;
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254@
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish54

STEP 3
CLICK OK AND SEE SELECTED
DATA WERE DELETED.

Student Management System

Date :26/08/20
Time :13:18:20

WELCOME TO STUDENT MANAGEMENT S   **CONNECT TO DATABASE**

---------------**WELCOME**---------------

1. ADD STUDENT

2. SEARCH STUDENT

3. DELETE STUDENT

4. UPDATE STUDENT

5. SHOW STUDENT

6. EXPORT DATA

7. EXIT

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw:
3	JAYENDRA YADAV	9876543210	jayendra1:
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254@
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish54

STEP 1
SHOW STUDENT AND
SELECT WHAT YOU WANT
TO UPDATE. THEN CLICK ON
UPDATE STUDENT.

NOTE: - IN THIS DATA I HAVE UPDATE THE MOBILE NUMBER.

Enter Id: 12

Enter Name: YOGESH MISHRA

Enter Mobile: 8541230000

Enter Email: yogimish541@gmail.con

Enter Address: SANT NAGAR

Enter Gender: MALE

Enter D.O.B: 06/08/2002

Enter Date: 26:08:20

Enter Time: 12:17:50

Update

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw:
3	JAYENDRA YADAV	9876543210	jayendra1:
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254@
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	9966888132	yogimish54

notifications

Id12 Modified sucessfully....

OK

STEP 2
CLICK ON UPDATE BUTTON.

Enter Id: 12

Enter Name: YOGESH MISHRA

Enter Mobile: 8541230000

Enter Email: yogimish541@gmail.con

Enter Address: SANT NAGAR

Enter Gender: MALE

Enter D.O.B: 06/08/2002

Enter Date: 26:08:20

Enter Time: 12:17:50

Update

ID	NAME	MOBILE NO	
1	SOUMAY GUPTA	8595833082	soumayg2(
2	RAHUL PATWAL	8750506310	rahulpatw:
3	JAYENDRA YADAV	9876543210	jayendra1:
4	GAUTAM SHRIVAST	9988774455	gautam554
5	KOMAL BISHT	9222447412	kbisht2002
6	KHUSHI SABHARWA	9744584500	khush254@
7	TUSHAR CHAUHAN	8552441663	tushargam
10	SAMRAT GUPTA JII	8559558382	Samratg31
11	AKRITI RAWAT	8465712345	akrawat22
12	YOGESH MISHRA	8541230000	yogimish54

STEP 3
NOW YOU WILL SEE MOBILE NO
IS SUCCESSFULLY UPDATED.

FOLLOW THESE STEP TO UPDATE DATA IN DATABASE.

STEP 1
CONNECT YOUR DATABASE.

STEP 2
CLICK ON SHOW STUDENT AND THEN CLICK ON EXPORT BUTTON.

STEP 3
CLICK ON EXPORT BUTTON AND SELECT LOCATION .

FOLLOW THESE STEP TO SAVE DATA IN EXCEL FILE.