Appointment window

```
from tkinter import *
import sqlite3
import sys
import tkinter.messagebox


# create connection

conn = sqlite3.connect('database5.db')

# cursor to move
c = conn.cursor()

# empty list
ids = []
id2= []

# tkinter window
class Application:
```

```
    def __init__(self,master):
        self.master = master

        # create the frames
        self.left = Frame(master, width=800,height=720,bg='darkseagreen')
        self.left.pack(side=LEFT)
        self.right = Frame(master, width=400,height=720,bg='gold')
        self.right.pack(side=RIGHT)

        #labels
        self.heading=Label(master,text="Sharda Hospital",font="times 40
",fg='black',bg='darkseagreen')
        self.heading.place(x=250,y=5)
        self.name = Label(master,text="Patient's name",font="times 18",
fg='black',bg='darkseagreen')
        self.name.place(x=10,y=100)

        self.age = Label(master,text="Age",font="times 18", fg='black',bg='darkseagreen')
        self.gender = Label(master,text="Gender",font="times 18", fg='black',bg='darkseagreen')
        self.phone = Label(master,text="Phone No.",font="times 18",
fg='black',bg='darkseagreen')
        self.phone.place(x=10,y=220)

        self.location = Label(master,text="Location",font="times 18",
fg='black',bg='darkseagreen')
```

```
        self.time = Label(master,text="Appointment Time",font="times 18",
fg='black',bg='darkseagreen')


        self.age.place(x=10,y=140)

        self.gender.place(x=10,y=180)

        self.location.place(x=10,y=260)

        self.time.place(x=10,y=300)


        self.log=Label(self.right,text="Appointment Logs",font='times,18',fg='black',bg='gold')

        self.log.place(x=100,y=2)




        #entries


        self.name_ent= Entry(master,width=30)

        self.name_ent.place(x=250,y=110)


        self.age_ent= Entry(master,width=30)

        self.age_ent.place(x=250,y=150)


        self.gender_ent= Entry(master,width=30)

        self.gender_ent.place(x=250,y=190)
```

```
        self.phone_ent= Entry(master,width=30)
        self.phone_ent.place(x=250,y=230)

        self.location_ent= Entry(master,width=30)
        self.location_ent.place(x=250,y=270)

        self.time_ent= Entry(master,width=30)
        self.time_ent.place(x=250,y=310)




        #button to perform a command

        self.submit= Button(master,text="Add Appointment",font="times
14",width=20,height=2,bg='tan',command=self.add1)
        self.submit.place(x=260,y=340)

        sql2 = "SELECT ID FROM appointments1 "
        self.result = c.execute(sql2)
        for self.row in self.result:
            self.id = self.row[0]
            ids.append(self.id)
        #odering the ids
```

```
    self.new= sorted(ids)
    self.final_id=self.new[len(ids)-1]



    # display appointments
    self.box= Text(self.right,width=42,height=40)
    self.box.place(x=25,y=30)
    self.box.insert(END,"Total Appointments till now : " + str(self.final_id))



# make function working
def add1(self):
        self.v1=self.name_ent.get()
        self.v2=self.age_ent.get()
        self.v3=self.gender_ent.get()
        self.v4=self.phone_ent.get()
        self.v5=self.location_ent.get()
        self.v6=self.time_ent.get()
        if self.v1== '' or self.v2== '' or self.v3== '' or self.v4== '' or self.v5== '' or self.v6== '':
            tkinter.messagebox.showinfo("Warning","Please Fill All Enrties")
```

```
        else:
            # now add to database
            sql = "INSERT INTO 'appointments1' (NAME, AGE, GENDER, PHONE, LOCATION,
SCHEDULED_TIME) VALUES(?,?,?,?,?,?)"
            c.execute(sql,(self.v1,self.v2,self.v3,self.v4,self.v5,self.v6))
            conn.commit()
            tkinter.messagebox.showinfo("Success"," Appointment for " +str(self.v1)+" has been
created ")


            self.box.insert(END,'\n Appointment Fixed For ' + str(self.v1) + ' at ' + str(self.v6))



root=Tk()
b =Application(root)
root.geometry("1200x720+0+0")
root.title('Sharda Hospital Management')
icon = PhotoImage(file='sharda.png')
```

```
root.tk.call('wm', 'iconphoto', root._w, icon)



#photo

photo = PhotoImage(file="Campus4.png")

pic = Label(root,image=photo)

pic.place(x=180,y=600)



root.resizable(False,False)



root.mainloop()
```

Update window

```
from tkinter import *

import tkinter.messagebox

import sqlite3



conn = sqlite3.connect('database5.db')
```

```
c = conn.cursor()


class application:
   def __init__(self,master):
      self.master = master


      # heading label
      self.heading = Label(master, text="Update
Appointments",fg='darkslategray',font='times 40',bg='darkseagreen')
      self.heading.place(x=350,y=30)


     # search criteria


      self.name=Label(master,text=" ENTER PATIENT'S NAME",font='times
18',bg='darkseagreen')
      self.name.place(x=10,y=150)


      #entry for name
      self.name_ent = Entry(master,width=50)
      self.name_ent.place(x=340,y=155)
      # search button
      self.search = Button(master,text="Search",font='times
13',width=12,height=1,bg='lightblue',command=self.search_db)
```

```
        self.search.place(x=340,y=200)



    def search_db(self):
        self.input = self.name_ent.get()
        # execute sql

        sql = "SELECT * FROM appointments1 WHERE name LIKE ?"
        self.res=c.execute(sql,(self.input,))
        for self.row in self.res:
            self.name1 = self.row[1]
            self.age=self.row[2]
            self.gender = self.row[3]
            self.location = self.row[4]
            self.phone = self.row[5]
            self.time = self.row[6]

        # update form
        self.uname = Label(self.master,text="Patient's Name",font='times
18',bg='darkseagreen')
        self.uname.place(x=10,y=250)
```

```
        self.uage = Label(self.master,text="Age",font='times
18',bg='darkseagreen')

        self.uage.place(x=10,y=300)


        self.ugender = Label(self.master,text="Gender",font='times
18',bg='darkseagreen')

        self.ugender.place(x=10,y=350)


        self.ulocation = Label(self.master,text="Location",font='times
18',bg='darkseagreen')

        self.ulocation.place(x=10,y=400)


        self.uphone = Label(self.master,text="Phone no.",font='times
18',bg='darkseagreen')

        self.uphone.place(x=10,y=450)


        self.utime = Label(self.master,text="Appointment Time",font='times
18',bg='darkseagreen')

        self.utime.place(x=10,y=500)


        # ENTRIES FOR EACH LABEL

        self.ent1 = Entry(self.master,width=30)

        self.ent1.place(x=220,y=255)
```

```
self.ent1.insert(END,str(self.name1))



self.ent2 = Entry(self.master,width=30)
self.ent2.place(x=220,y=305)
self.ent2.insert(END,str(self.age))

self.ent3 = Entry(self.master,width=30)
self.ent3.place(x=220,y=355)
self.ent3.insert(END,str(self.gender))

self.ent4 = Entry(self.master,width=30)
self.ent4.place(x=220,y=405)
self.ent4.insert(END,str(self.location))

self.ent5 = Entry(self.master,width=30)
self.ent5.place(x=220,y=455)
self.ent5.insert(END,str(self.phone))

self.ent6 = Entry(self.master,width=30)
self.ent6.place(x=220,y=505)
self.ent6.insert(END,str(self.time))
```

```
        #button to execute update
        self.update = Button(self.master,text="Update",width=20,height=2,bg='springgreen',command=self.update_db)
        self.update.place(x=220,y=555)

        #button to delete
        self.delete = Button(self.master,text="Delete",width=20,height=2,bg='red',command=self.delete_db)
        self.delete.place(x=400,y=555)



    def update_db(self):
        #declaring the varialbe to updtae
        self.v1= self.ent1.get()
        self.v2= self.ent2.get()
        self.v3= self.ent3.get()
        self.v4= self.ent4.get()
        self.v5= self.ent5.get()
```

```
        self.v6= self.ent6.get()


        query = "UPDATE appointments1 SET NAME=?, AGE=?, GENDER=?,
LOCATION=?, PHONE=?, SCHEDULED_TIME=? WHERE NAME LIKE ?"

c.execute(query,(self.v1,self.v2,self.v3,self.v4,self.v5,self.v6,self.name_ent.get(),
))
        conn.commit()


        tkinter.messagebox.showinfo("UPDATED","Successfully Updated")


    def delete_db(self):


        sql2="DELETE FROM appointments1 WHERE name LIKE ?"
        c.execute(sql2,(self.name_ent.get(),))
        conn.commit()
        tkinter.messagebox.showinfo("DELETED","Successfully Deleted")


        self.ent1.destroy()
        self.ent2.destroy()
        self.ent3.destroy()
        self.ent4.destroy()
        self.ent5.destroy()
```

```
        self.ent6.destroy()



# creating the object
root= Tk()
b= application(root)

# icon
icon = PhotoImage(file='sharda.png')
root.tk.call('wm', 'iconphoto', root._w, icon)

#photo

photo = PhotoImage(file="Campus4.png")
pic = Label(root,image=photo)
pic.place(x=300,y=600)
```

```
root.geometry("1200x720+0+0")
root.resizable(False,False)
root.title('Sharda Hospital Management')
root.configure(bg='darkseagreen')
root.mainloop()
```

Code to create tables in data base

Code to create tables in data base


```
CREATE TABLE `appointments` (
        `ID`    INTEGER PRIMARY KEY AUTOINCREMENT,
        `NAME` TEXT,
        `AGE`   TEXT,
        `GENDER`        TEXT,
        `LOCATION`      TEXT,
        `PHONE`         INTEGER,
        `SCHEDULED TIME`        TEXT
```

```
);
```