

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 Entries")
```

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 variable to update
```

```
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
```

```
);
```

Data of doctor

```
from tkinter import *
```

```
import sqlite3
```

```
import sys
```

```
import tkinter.messagebox
```

```
# create connection
```

```
conn = sqlite3.connect('database1.db')
```

```
# cursor to move
```

```
c = conn.cursor()
```



```
# tkinter window
```

```
class Application:
```

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

```
        self.master = master
```

```
        #labels
```

```
        self.heading=Label(master,text="Doctor's Details",font="times 40",fg='black',bg='darkseagreen')
```

```
        self.heading.place(x=10,y=5)
```

```
        self.dname = Label(master,text="Doctor's Name",font="times 18",fg='black',bg='darkseagreen')
```

```
        self.dname.place(x=10,y=100)
```

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

```
        self.dphone = Label(master,text="Phone no.",font="times 18", fg='black',bg='darkseagreen')
```

```
        self.dphone.place(x=10,y=180)
```

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

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

```
self.dgender.place(x=10,y=140)
```

```
self.daddress.place(x=10,y=220)
```

```
self.ddepartment.place(x=10,y=260)
```

```
#entries
```

```
self.dname_ent= Entry(master,width=30)
```

```
self.dname_ent.place(x=230,y=110)
```

```
self.dgender_ent= Entry(master,width=30)
```

```
self.dgender_ent.place(x=230,y=150)
```

```
self.dphone_ent= Entry(master,width=30)
```

```
self.dphone_ent.place(x=230,y=190)
```

```
self.daddress_ent= Entry(master,width=30)
```

```
self.daddress_ent.place(x=230,y=230)
```

```
self.ddepartment_ent= Entry(master,width=30)
```

```
self.ddepartment_ent.place(x=230,y=270)
```

```
#button to perform a command
```

```
self.submit= Button(master,text="Save",font="times  
14",width=20,height=2,bg='tan',command=self.add1)
```

```
self.submit.place(x=100,y=320)
```

make function working

def add1(self):

self.v1=self.dname_ent.get()

self.v2=self.dgender_ent.get()

self.v3=self.dphone_ent.get()

self.v4=self.daddress_ent.get()

self.v5=self.ddepartment_ent.get()

if self.v1== " " or self.v2== " " or self.v3== " " or self.v4== " " or self.v5== " ":

tkinter.messagebox.showinfo("Warning","Please Fill All Entries")

else:

now add to database

sql = "INSERT INTO 'doctor' (d_name , d_department , d_gender , d_phone , d_address)
VALUES(?,?,?,?,?)"

c.execute(sql,(self.v1,self.v5,self.v2,self.v3,self.v4))

conn.commit()

tkinter.messagebox.showinfo("Success"," Data for Dr. " +str(self.v1)+" has been created ")

```
root=Tk()
```

```
b =Application(root)
```

```
root.geometry("500x500+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=10,y=400)
```

```
root.resizable(False,False)
```

```
root.configure(bg='darkseagreen')
```

```
root.mainloop()
```

Billing

```
from tkinter import *
```

```
import sqlite3
```

```
import sys
```

```
import tkinter.messagebox
```

```
# create connection
```

```
conn = sqlite3.connect('database1.db')
```

```
# cursor to move
```

```
c = conn.cursor()
```

tkinter window

class Application:

def __init__(self, master):

self.master = master

#labels

self.heading=Label(master,text="Billing Details",font="times 40",fg='black',bg='darkseagreen')

self.heading.place(x=10,y=5)

self.billno = Label(master,text="Bill no.",font="times 18",fg='black',bg='darkseagreen')

self.billno.place(x=10,y=100)

```
self.roomtype = Label(master,text="Room Type",font="times 18",  
fg='black',bg='darkseagreen')
```

```
self.roomtype.place(x=10,y=140)
```

```
self.roomcharge = Label(master,text="Room Charges",font="times 18",  
fg='black',bg='darkseagreen')
```

```
self.document = Label(master,text="Documentation Charges",font="times 18",  
fg='black',bg='darkseagreen')
```

```
self.document.place(x=10,y=220)
```

```
self.total = Label(master,text="Total Amount",font="times 18",  
fg='black',bg='darkseagreen')
```

```
self.roomcharge.place(x=10,y=180)
```

```
self.total.place(x=10,y=260)
```


#entries

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

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

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

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

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

self.roomcharge_ent.place(x=250,y=190)

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

```
self.document_ent.place(x=250,y=230)
```

```
self.total_ent= Entry(master,width=30)
```

```
self.total_ent.place(x=250,y=270)
```

```
#button to perform a command
```

```
self.submit= Button(master,text="Generate bill",font="times  
14",width=20,height=2,bg='tan',command=self.add1)
```

```
self.submit.place(x=100,y=320)
```

```
# display bill
```

```
self.box=Text(master,width=50,height=27)
```

```
self.box.place(x=500,y=20)
```

make function working

def add1(self):

self.v1=self.billno_ent.get()

self.v2=self.roomtype_ent.get()

self.v3=self.roomcharge_ent.get()

self.v4=self.document_ent.get()

self.v5=self.total_ent.get()

if self.v1== " " or self.v2== " " or self.v3== " " or self.v4== " " or self.v5== ":

tkinter.messagebox.showinfo("Warning","Please Fill All Entries")

else:

now add to database

```
sql = "INSERT INTO 'billing' (bill_no , room_charge , document_charge ,  
total_amount , room_type) VALUES(?,?,?,?,?)"
```

```
c.execute(sql,(self.v1,self.v3,self.v4,self.v5,self.v2,))
```

```
conn.commit()
```

```
tkinter.messagebox.showinfo("Success"," Bill generated successfully ")
```

```
self.box.insert(END,'\n Bill no. =' +str(self.v1) + '\n\n Room Type = ' +  
str(self.v2) + '\n\n Room Charges =' + str(self.v3) + '\n\n Documentation Charges = '  
+ str(self.v4) + '\n\n Total charges = ' + str(self.v5))
```

```
root=Tk()
```

```
b = Application(root)

root.geometry("920x500+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=10,y=400)
```

```
root.resizable(False,False)
```

```
root.configure(bg='darkseagreen')
```

```
root.mainloop()
```

#Being Programmer