

PYTHON MINI PROJECT

❖ PROBLEM STATEMENT:

To create a COVID-19 Database application using tkinter and Mysql database in python.

1. The database must contain a main window which would show the total number of patients affected with COVID-19.
2. It must contain a New Entry option to enter the details of a patient (Each patient must have an unique test number).
3. It must contain an option to Edit the information of patient stored in database.
4. It must contain an option to Delete the Information in the Database.
5. It must contain an option to View the list of patients.

LINK OF PROJECT: <https://github.com/orvell/PYTHON-PROJECT>

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❖ CREATED BY:

- | | |
|--------------------|--------------|
| 1) ORVELL FERREIRA | ROLLNO: 8671 |
| 2) CLINT FERREIRA | ROLLNO: 8670 |

➤ Overview:

We successfully built a GUI based COVID-19 DATABASE application using tkinter and Mysql for the concerned authorities to store the data of the people infected. This application also includes a live count feature which shows the number of people currently infected on the home screen. The information of the patients is stored in a database through this app.

➤ Requirements Of Our Project:

Hardware Requirements:

Any working computer with Windows or Linux operating system.

Software Requirements:

We have used MYSQL as our Database management system. Also, the tkinter module in python has been used.

➤ GUI Design:

The GUI has a home window which has a LIVE count of the people infected by COVID-19. It has buttons to add a New Entry, Edit, Delete and View the database. Also a help button has been included if user faces problems in using the app.

While adding a new entry basic details such as Name, Age, Address, Date tested positive and Mobile Number are asked. Also a unique Test report numbers are asked for further details.

All these entries can be Edited, Deleted, Viewed or New Entries can be inserted into the Database. A help window is also provided for convenience of the user.

➤ Algorithm We Followed:

1. First we installed MYSQL database application available on <https://www.mysql.com>.
2. Then we installed a package named "mysql-connector" in python using the pip command:
"pip install mysql-connector-python"
3. We created a new database in MYSQL using Query " CREATE DATABASE db1 "
Also we accessed the database using " USE db1"

And we created a Table using Query

```
" create table patients(Testno int unique,Address text NOT  
NULL,Nameofpatient text NOT NULL,Datefound Date NOT NULL,Age int  
NOT NULL,Mobno numeric(10)) "
```

4. We imported tkinter and mysql-connector module of python.
from tkinter import *
import mysql.connector
from tkinter import messagebox
5. We use Label, Entry, Button, Frame and message box GUI option for creating the app.
6. We attached a database using mysql.connector so that the data entered in the entry field gets stored in a well defined manner and can be accessed easily.
7. We made a main page which consist of buttons like New Entry, Edit, Delete, View and Help.
 - i. The main page has a counter to count the number of Patients affected.
 - ii. When New Entry button is pressed a new window opens which contains of entry fields.After one has entered all data correctly and hits the Submit button a message prompt is seen as " Registration Successful ". The user has to enter a Unique Test Number and a valid Mobile number and not leave any fields empty. If the user doesn't enter a unique test number or a valid mobile number or leaves any field empty then a message prompt is seen as " Error some fields are empty " or " The test number already exist" or "Invalid mobile number".
 - iii. When an Edit button is pressed it asks for a Test No. If the number is present in the database then it open entries where u can edit the record. If Test number is not present in the database it shows an error message. After entering all field when you press the submit but it shows message "Update successful". If you leave a field blank or enters an invalid number then it shows error.
 - iv. When a delete button is pressed it asks for Test No. If number is present in the database it shows a message " Delete successful " else it shows a message " Test number not found "
 - v. When a view button is pressed there appears a window which consist of all the data in the database.

➤ SOURCE CODE:

```
from tkinter import *
import mysql.connector
from tkinter import messagebox
root = Tk()

heading = Label(root, text="Welcome to COVID-19 Database ", bg="blue2",fg="Lightgrey")
heading.pack(side=TOP, fill=X)
heading.config(font=("Helvetica", 19,"bold"))

photo = PhotoImage(file="doc.png")
label = Label(root, image=photo )
label.place(x=120, y=70)

toolbar = Frame(root, bg="blue2")
toolbar.place(x=0, y=450, height=55, width=800)

# *****NEW ENTRY*****

def open_entry():
    top = Toplevel()
    top.geometry("800x500+200+100")
    testno = StringVar()
    name = StringVar()
    age = StringVar()
    mobno = StringVar()
    address = StringVar()
    day = StringVar()
    month = StringVar()
    year = StringVar()

    l1 = Label(top, text="Testno. :", bg="light cyan",font=("Helvetica", 9,"bold"))
    l2 = Label(top, text="Name :", bg="light cyan",font=("Helvetica", 9,"bold"))
    l3 = Label(top, text="Age :", bg="light cyan",font=("Helvetica", 9,"bold"))
    l4 = Label(top, text="Mobile No :", bg="light cyan",font=("Helvetica", 9,"bold"))
    l9 = Label(top, text="(Mobile number should be 10 digit and start with either 7, 8, 9)", bg="light cyan",font=("Helvetica", 8,"bold"))
    l15 = Label(top, text="Address :", bg="light cyan",font=("Helvetica", 9,"bold"))
    l16 = Label(top, text="Date :", bg="light cyan",font=("Helvetica", 9,"bold"))
    l17 = Label(top, text="DD MM YYYY", bg="light cyan",font=("Helvetica", 9,"bold"))
```

```
l8 = Label(top, text="(Please enter a Unique Testno)", bg="light cyan",font=("Helvetica",
8,"bold"))
```

```
l1.place(x=170, y=100, height=25, width=60)
l2.place(x=170, y=200, height=25, width=60)
l3.place(x=170, y=300, height=25, width=60)
l4.place(x=170, y=400, height=25, width=65)
l9.place(x=130, y=430, height=20, width=400)
l5.place(x=420, y=100, height=25, width=60)
l6.place(x=420, y=200, height=25, width=60)
l7.place(x=500, y=230, height=20, width=100)
l8.place(x=230, y=136, height=20, width=170)
```

```
e1 = Entry(top, textvariable=testno).place(x=250, y=103)
e2 = Entry(top, textvariable=name).place(x=250, y=203)
e3 = Entry(top, textvariable=age).place(x=250, y=303)
e4 = Entry(top, textvariable=mobno).place(x=250, y=403)
e5 = Entry(top, textvariable=address).place(x=500, y=103)
e6 = Entry(top, textvariable=day).place(x=500, y=203, width=20)
e7 = Entry(top, textvariable=month).place(x=530, y=203, width=20)
e8 = Entry(top, textvariable=year).place(x=560, y=203, width=40)
```

```
def submit():
```

```
    mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",
database="db1") # change password here
```

```
    mycursor = mydb.cursor()
```

```
    a = testno.get()
```

```
    b = address.get()
```

```
    c = name.get()
```

```
    d = year.get()
```

```
    d = d + "-" + month.get() + "-" + day.get()
```

```
    e = age.get()
```

```
    f= mobno.get()
```

```
    x=""
```

```
    if f!="":
```

```
        len_tmp_str=len(f)
```

```
        if(len_tmp_str!=10):
```

```
            ##"LENGTH PROBLEM"
```

```
            x="Invalid"
```

```
            messagebox.showerror('Error','Error! Invalid Mobile Number')
```

```
        elif(f[0]!="7" and f[0]!="8" and f[0]!="9"):
```

```
            ##"START PROBLEM"
```

```
            x="Invalid"
```

```
            messagebox.showerror('Error','Error! Invalid Mobile Number')
```

```
        else:
```

```
            check=1
```

```
            for i in f:
```

```
                if(i>="0" and i<="9"):
```

```

        continue
    else:
        check=0
        break
    if(check==1):
        f= mobno.get()
    else:
        ##"NUMBER PROBLEM"
        x="Invalid"
        messagebox.showerror('Error','Error! Invalid Mobile Number')

mycursor.execute("SELECT Testno FROM patients")
check=mycursor.fetchall()
nos=list(sum(check,()))
N=a
if N=="":
    messagebox.showerror('Error','Error! You have left some fields empty')
else:
    N=int(N)

if N in nos:
    messagebox.showerror('Error','Error! The Test No already Exist, Please enter a unique
number')
else:
    if x=="Invalid":
        pass
    else:
        if (a!="" and b!="" and c!="" and d!="" and e!="" and f!=""):
            sql = "INSERT INTO patients (Testno ,Address ,Nameofpatient,Datefound,Age ,Mobno)
VALUES (%s, %s,%s, %s,%s, %s)"
            val = (a, b, c, d, e, f)
            mycursor.execute(sql, val)
            mydb.commit()
            mydb.close()
            messagebox.showinfo('Success','Registration Succussful')
            testno.set("")
            address.set("")
            name.set("")
            year.set("")
            month.set("")
            day.set("")
            age.set("")
            mobno.set("")
        else:
            messagebox.showerror('Error','Error! You have left some fields empty')

```

```

sub_but = Button(top, text="Submit", bg="blue2",
command=lambda:[submit(),cases()],fg="Lightgrey",font=("Helvetica",
10,"bold"),bd=5,relief="raised")
sub_but.place(x=420, y=300, height=25, width=60)

heading = Label(top, text="Please enter the patients details", bg="blue2",fg="Lightgrey")
heading.pack(fill=X)
heading.config(font=("Helvetica", 18,"bold"))

top.resizable(width=False, height=False)
top.configure(bg="light cyan")

# *****EDIT*****

def open_edit():
    top = Toplevel()
    top.geometry("800x500+200+100")
    no = StringVar()
    name = StringVar()
    age = StringVar()
    mobno = StringVar()
    address = StringVar()
    day = StringVar()
    month = StringVar()
    year = StringVar()
    def editing():
        mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",
database="db1") # change password here
        mycursor = mydb.cursor()
        mycursor.execute("SELECT Testno FROM patients")
        check=mycursor.fetchall()
        nos=list(sum(check,()))
        N=no.get()
        if N=="":
            messagebox.showerror('Error','Error! You have left some fields empty')
        else:
            N=int(N)
            mydb.close()
            if N in nos:
                top1 = Toplevel()
                top1.destroy()
                top1.geometry("800x500+200+100")

                l1 = Label(top1, text="Name :", bg="light cyan",font=("Helvetica", 9,"bold"))
                l2 = Label(top1, text="Age :", bg="light cyan",font=("Helvetica", 9,"bold"))
                l3 = Label(top1, text="Mobile No :", bg="light cyan",font=("Helvetica", 9,"bold"))

```

```

19 = Label(top1, text="(Mobile number should be 10 digit and start with either 7, 8, 9)",
bg="light cyan",font=("Helvetica", 8,"bold"))
15 = Label(top1, text="Address :", bg="light cyan",font=("Helvetica", 9,"bold"))
16 = Label(top1, text="Date :", bg="light cyan",font=("Helvetica", 9,"bold"))
17 = Label(top1, text="DD MM YYYY", bg="light cyan",font=("Helvetica", 9,"bold"))

11.place(x=170, y=100, height=25, width=60)
12.place(x=170, y=200, height=25, width=60)
13.place(x=170, y=300, height=25, width=65)
15.place(x=420, y=100, height=25, width=60)
16.place(x=420, y=200, height=25, width=60)
17.place(x=490, y=230, height=20, width=120)
19.place(x=130, y=330, height=20, width=400)

e1 = Entry(top1,textvariable=name).place(x=250, y=103)
e2 = Entry(top1,textvariable=age).place(x=250, y=203)
e3 = Entry(top1,textvariable=mobno).place(x=250, y=303)
e5 = Entry(top1,textvariable=address).place(x=500, y=103)
e6 = Entry(top1,textvariable=day).place(x=500, y=203, width=20)
e7 = Entry(top1,textvariable=month).place(x=530, y=203, width=20)
e8 = Entry(top1,textvariable=year).place(x=560, y=203, width=40)
def submit():
    mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",
database="db1") # change password here
    mycursor = mydb.cursor()
    b = address.get()
    c = name.get()
    d = year.get()
    d = d + "-" + month.get() + "-" + day.get()
    e = age.get()
    f = mobno.get()
    x=""
    if f=="":
        pass
    else:
        len_tmp_str=len(f)
        if(len_tmp_str!=10):
            ##"LENGTH PROBLEM"
            x="Invalid"
            messagebox.showerror('Error','Error! Invalid Mobile Number')
        elif(f[0]!="7" and f[0]!="8" and f[0]!="9"):
            ##"START PROBLEM"
            x="Invalid"
            messagebox.showerror('Error','Error! Invalid Mobile Number')
        else:
            check=1
            for i in f:
                if(i>="0" and i<="9"):

```



```

        continue
    else:
        check=0
        break
    if(check==1):
        pass
    else:
        ##"NUMBER PROBLEM"
        x="Invalid"
        messagebox.showerror('Error','Error! Invalid Mobile Number')
    if x=="Invalid":
        pass
    else:
        if (b!="" and c!="" and d!="" and e!="" and f!=""):
            sql = "UPDATE patients SET Address=%s WHERE Testno=%s"
            val = (b,N)
            mycursor.execute(sql, val)
            mydb.commit()
            sql = "UPDATE patients SET Nameofpatient=%s WHERE Testno=%s"
            val = (c,N)
            mycursor.execute(sql, val)
            mydb.commit()
            sql = "UPDATE patients SET Datefound=%s WHERE Testno=%s"
            val = (d,N)
            mycursor.execute(sql, val)
            mydb.commit()
            sql = "UPDATE patients SET Age=%s WHERE Testno=%s"
            val = (e,N)
            mycursor.execute(sql, val)
            mydb.commit()
            sql = "UPDATE patients SET Mobno=%s WHERE Testno=%s"
            val = (f,N)
            mycursor.execute(sql, val)
            mydb.commit()
            mydb.close()
            messagebox.showinfo('Success','Updated Succussfully')

            address.set("")
            name.set("")
            year.set("")
            month.set("")
            day.set("")
            age.set("")
            mobno.set("")
        else:
            messagebox.showerror('Error','Error! You have left some fields empty')

```

```
sub_but = Button(top1, text="Submit",
bg="Blue2",command=submit,fg="Lightgrey",font=("Helvetica", 10,"bold"),bd=5,relief="raised")
sub_but.place(x=420, y=300, height=25, width=60)
```

```
upper = Frame(top1, bg="blue2")
upper.pack(side=TOP, fill=X)
```

```
l1 = Label(upper, text="Edit", bg="blue2",font=("Helvetica", 18,"bold"),fg="lightgrey")
l1.pack()
top1.resizable(width=False, height=False)
top1.configure(bg="light cyan")
```

```
else:
```

```
messagebox.showerror('Error','Error! The number entered does not exist')
```

```
e1 = Entry(top,textvariable=no).place(x=380, y=103)
```

```
del_but = Button(top, text="Edit",
bg="blue2",command=editing,fg="Lightgrey",font=("Helvetica", 10,"bold"),bd=5,relief="raised")
del_but.place(x=480, y=150, height=25, width=60)
```

```
l1 = Label(top, text="Enter the Testno.", bg="light cyan",font=("Helvetica", 8,"bold"))
l1.place(x=265, y=100, height=25, width=100)
```

```
heading = Label(top, text="Edit", bg="blue2",fg="Lightgrey")
heading.pack(fill=X)
heading.config(font=("Helvetica", 18,"bold"))
```

```
top.resizable(width=False, height=False)
```

```
top.configure(bg="light cyan")
```

```
# *****Delete*****
```

```
def open_delete():
```

```
top = Toplevel()
top.geometry("800x500+200+100")
no = StringVar()
```

```
heading = Label(top, text="Delete", bg="blue2",fg="lightgrey")
heading.pack(fill=X)
heading.config(font=("Helvetica", 18,"bold"))
```

```

top.resizable(width=False, height=False)
top.configure(bg="light cyan")

e1 = Entry(top, textvariable=no).place(x=380, y=103)
def delete():
    mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",
database="db1") # change password here
    mycursor = mydb.cursor()
    mycursor.execute("SELECT Testno FROM patients")
    check=mycursor.fetchall()
    nos=list(sum(check,()))
    N=no.get()
    if N=="":
        messagebox.showerror('Error','Error! You have left some fields empty')
    else:
        N=int(N)
        mydb.close()
        if N in nos:
            mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",
database="db1") # change password here
            mycursor = mydb.cursor()
            sql = "DELETE FROM patients WHERE Testno=%s"
            val = (N,)
            mycursor.execute(sql, val)
            mydb.commit()
            messagebox.showinfo('Success','Deleted Succussfully')
        else:
            messagebox.showerror('Error','Error! The number entered does not exist')

del_but = Button(top, text="Delete",
bg="Blue2",command=lambda:[delete(),cases()],fg="Lightgrey",font=("Helvetica",
10,"bold"),bd=5,relief="raised")
del_but.place(x=480, y=150, height=25, width=60)

11 = Label(top, text="Enter the Testno.", bg="light cyan",font=("Helvetica", 8,"bold"))
11.place(x=265, y=100, height=25, width=100)

12 = Label(top, text="Note: Entry once deleted cannot be recovered back", fg="red",bg="light
cyan",font=("Helvetica", 10,"bold"))
12.place(x=140, y=200, height=25, width=500)

upper = Frame(top, bg="blue2")
upper.pack(side=TOP, fill=X)

```

```

# ***** View *****
def open_view():
    top = Toplevel()
    top.geometry("800x500+200+100")

    upper = Frame(top, bg="DodgerBlue2")
    upper.pack(side=TOP, fill=X)
    top.resizable(width=False, height=False)

    top.configure(bg="light cyan")
    l1 = Label(upper, text="Test No", Name of patient, Address
Age, Mobile No, Date ", bg="blue2", fg="lightgrey", font=("Helvetica",
8, "bold"))
    l1.pack(fill=X)
    mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",
database="db1") # change password here
    mycursor = mydb.cursor()
    mycursor.execute("SELECT Datefound FROM patients")
    records=mycursor.fetchall()
    print_records= "
for record in records:
    print_records += str(record[0])+"\n"
    query_label4=Label(top,text=print_records,width=8,bg="light cyan")
    query_label4.place(x=683,y=25)

    mycursor.execute("SELECT Mobno FROM patients")
    records=mycursor.fetchall()
    print_records= "
for record in records:
    print_records += str(record[0])+"\n"
    query_label6=Label(top,text=print_records,width=8,bg="light cyan")
    query_label6.place(x=595,y=25)
    mycursor.execute("SELECT Age FROM patients")
    records=mycursor.fetchall()
    print_records= "
for record in records:
    print_records += str(record[0])+"\n"
    query_label5=Label(top,text=print_records,width=4,bg="light cyan")
    query_label5.place(x=500,y=25)

    mycursor.execute("SELECT Address FROM patients")
    records=mycursor.fetchall()
    print_records= "
for record in records:
    print_records += str(record[0])+"\n"
    query_label2=Label(top,text=print_records,width=16,bg="light cyan")
    query_label2.place(x=340,y=25)

```

```

mycursor.execute("SELECT Nameofpatient FROM patients")
records=mycursor.fetchall()
print_records= "
for record in records:
    print_records += str(record[0])+ "\n"
query_label3=Label(top,text=print_records,width=13,bg="light cyan")
query_label3.place(x=200,y=25)

```

```

mycursor.execute("SELECT Testno FROM patients")
records=mycursor.fetchall()
print_records= "
for record in records:
    print_records += str(record[0])+ "\n"
query_label1=Label(top,text=print_records,width=4,bg="light cyan")
query_label1.place(x=80,y=25)

```

***** Help *****

```
def open_help():
```

```

    top = Toplevel()
    top.geometry("800x500+200+100")

```

```

    heading = Label(top, text="Help", bg="blue2",fg="lightgrey")
    heading.pack(fill=X)
    heading.config(font=("Helvetica", 18,"bold"))

```

```

    l1 = Label(top, text="1.Please check the Testno before submitting it. ", bg="light cyan",anchor=W)
    l2 = Label(top, text="2.Please check the installation of My Sql for Database related issues. ",
bg="light cyan",anchor=W)
    l3 = Label(top, text="3.Before running this program open MYSQL and run the following Queries",
bg="light cyan",anchor=W)
    l5 = Label(top, text=" create database db1", bg="light cyan",anchor=W)
    l6 = Label(top, text=" use db1", bg="light cyan",anchor=W)
    l7 = Label(top, text=" create table patients(Testno int unique,Address text NOT
NULL,Nameofpatient text NOT NULL,Datefound Date NOT NULL", bg="light cyan",anchor=W)
    l10 = Label(top, text=" ,Age int NOT NULL,Mobno numeric(10))", bg="light cyan",anchor=W)
    l8 = Label(top, text="4.Please change the password in the code to your root password.", bg="light
cyan",anchor=W)
    l11 = Label(top, text="5.Run the following command in CMD(Windows) (pip install mysql-
connector-python).", bg="light cyan",anchor=W)
    l9 = Label(top, text="6.For any further assistance please contact us at abc@fake.com", bg="light
cyan",anchor=W)

    l4 = Label(top, text="Developed by Clint Ferreira(8670) and Orvell Ferreira(8671)",bg="light
cyan")

```

```

11.place(x=56, y=60, height=25, width=720)
12.place(x=56, y=90, height=25, width=720)
13.place(x=56, y=120, height=25, width=720)
15.place(x=56, y=150, height=25, width=720)
16.place(x=56, y=180, height=25, width=720)
17.place(x=56, y=210, height=25, width=720)
110.place(x=56, y=240, height=25, width=720)
18.place(x=56, y=270, height=25, width=720)
111.place(x=56, y=300, height=25, width=720)
19.place(x=56, y=330, height=25, width=720)

```

```

14.place(x=420, y=470, height=25, width=400)

```

```

11.config(font=("Helvetica", 9,"bold"))
12.config(font=("Helvetica", 9,"bold"))
13.config(font=("Helvetica", 9,"bold"))
15.config(font=("Helvetica", 9,"bold"))
16.config(font=("Helvetica", 9,"bold"))
17.config(font=("Helvetica", 9,"bold"))
18.config(font=("Helvetica", 9,"bold"))
19.config(font=("Helvetica", 9,"bold"))
110.config(font=("Helvetica",9,"bold"))
111.config(font=("Helvetica",9,"bold"))
14.config(font=("Helvetica",9,"bold"))

```

```

top.resizable(width=False, height=False)
top.configure(bg="light cyan")

```

```

# *****Home page widgets*****

```

```

butt1 = Button(root, text="New Entry", command=open_entry,
bg="DodgerBlue2",bd=5,relief="raised",highlightcolor="lightgrey",font=("Helvetica", 8,"bold"))
butt1.place(x=107, y=461, height=30, width=65)

```

```

butt2 = Button(root, text="Edit", command=open_edit,
bg="DodgerBlue2",bd=5,relief="raised",highlightcolor="lightgrey",font=("Helvetica", 9,"bold"))
butt2.place(x=239, y=461, height=30, width=65)

```

```

butt3 = Button(root, text="Delete", command=open_delete,
bg="DodgerBlue2",bd=5,relief="raised",highlightcolor="lightgrey",font=("Helvetica", 9,"bold"))
butt3.place(x=372, y=461, height=30, width=65)

```

```

butt4 = Button(root, text="View", command=open_view,
bg="DodgerBlue2",bd=5,relief="raised",highlightcolor="lightgrey",font=("Helvetica", 9,"bold"))
butt4.place(x=505, y=461, height=30, width=65)

```

```
butt5 = Button(root, text="Help", command=open_help,  
bg="DodgerBlue2",bd=5,relief="raised",highlightcolor="lightgrey",font=("Helvetica", 9,"bold"))  
butt5.place(x=638, y=461, height=30, width=65)
```

```
cas = Label(root, text="Total People Infected:",bg="light cyan",anchor=E)  
cas.place(x=270, y=40, height=25, width=200)  
cas.config(font=("Helvetica", 12,"bold"))
```

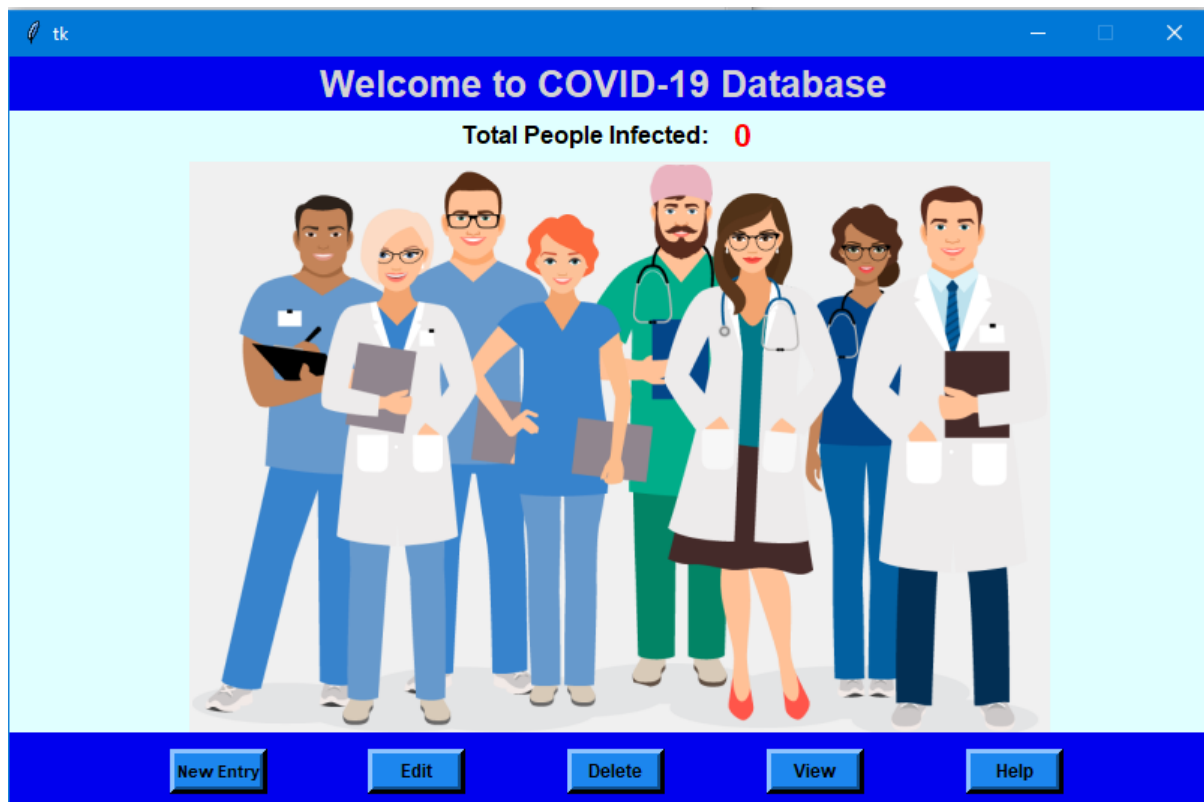
```
def cases():  
    x="  
        mydb = mysql.connector.connect(host="localhost", user="root", passwd="orvell1830",  
database="db1") # change password here  
        mycursor = mydb.cursor()  
        mycursor.execute("SELECT Testno FROM patients")  
        check=mycursor.fetchall()  
        nos=list(sum(check,()))  
        x=len(nos)  
        lab=Label(root,text=x,bg="light cyan",fg="red")  
        lab.place(x=480,y=40, height=25)  
        lab.config(font=("Helvetica", 16,"bold"))
```

```
cases()
```

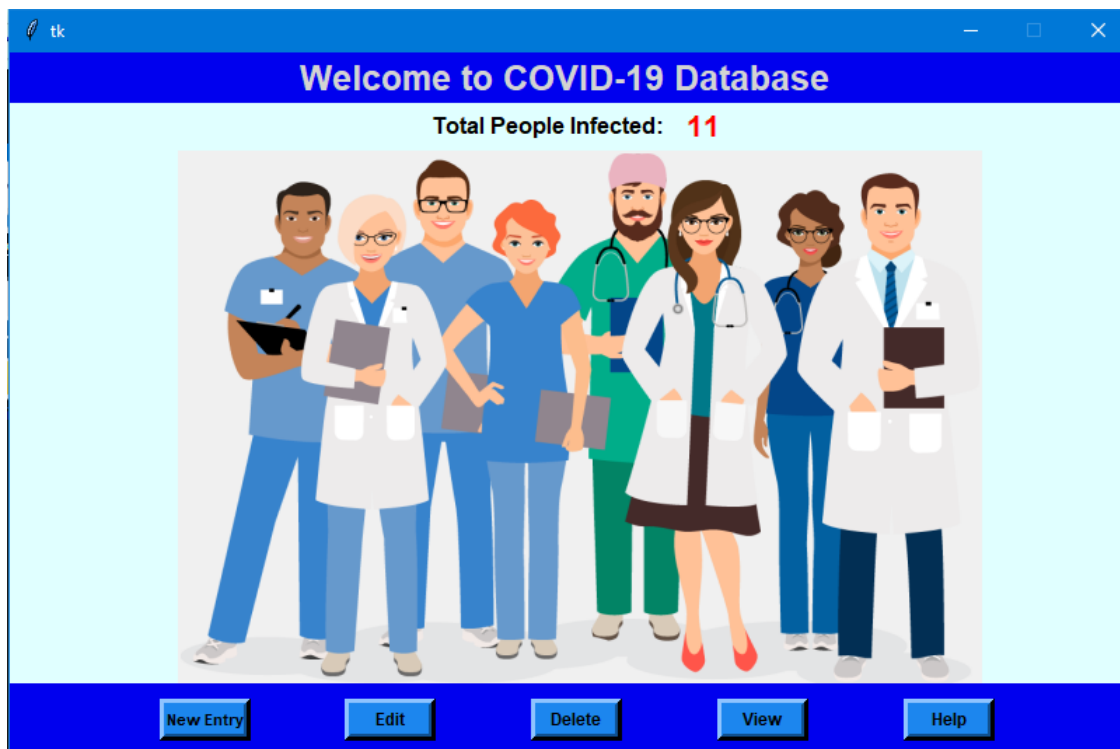
```
root.configure(bg="light cyan")  
root.geometry("800x500+200+100")  
root.resizable(width=False, height=False)  
root.mainloop()
```

➤ OUTPUT:

HOME PAGE :



Initially as the Database has no entries the count is zero. As we enter entries in it the counter changes:
Like After entering 11 Entries the Page would look like: **THE COUNT IS CHANGED**



When New Entry Button is clicked it looks like:

Information can be filled and then the Submit button is clicked.
Information is filled in the following format:

tk

Please enter the patients details

Testno. : 1648 Address : Near Vasai petrol pump

(Please enter a Unique Testno)

Name : Ronald Colaco Date : 14 04 2020

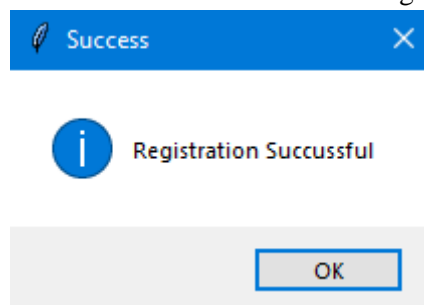
DD MM YYYY

Age : 46 **Submit**

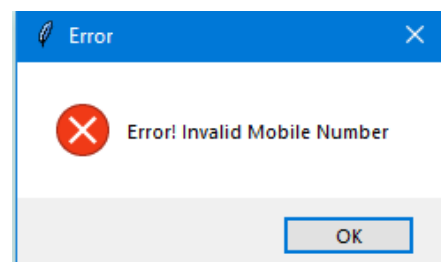
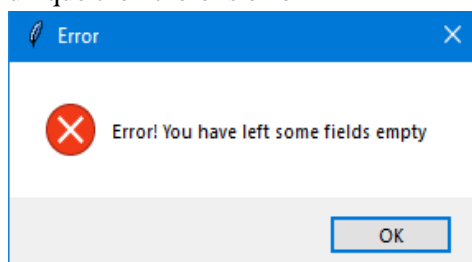
Mobile No : 7613489216

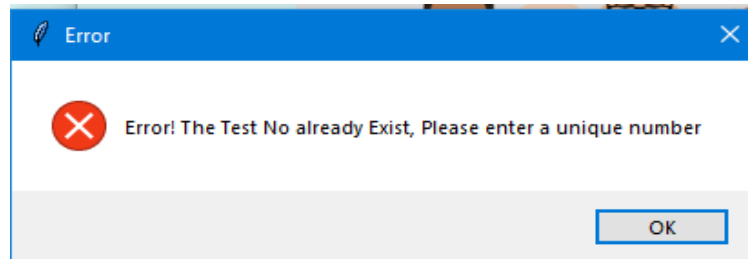
(Mobile number should be 10 digit and start with either 7, 8, 9)

If all the information is correct with no errors in the fields a message prompt appears as:

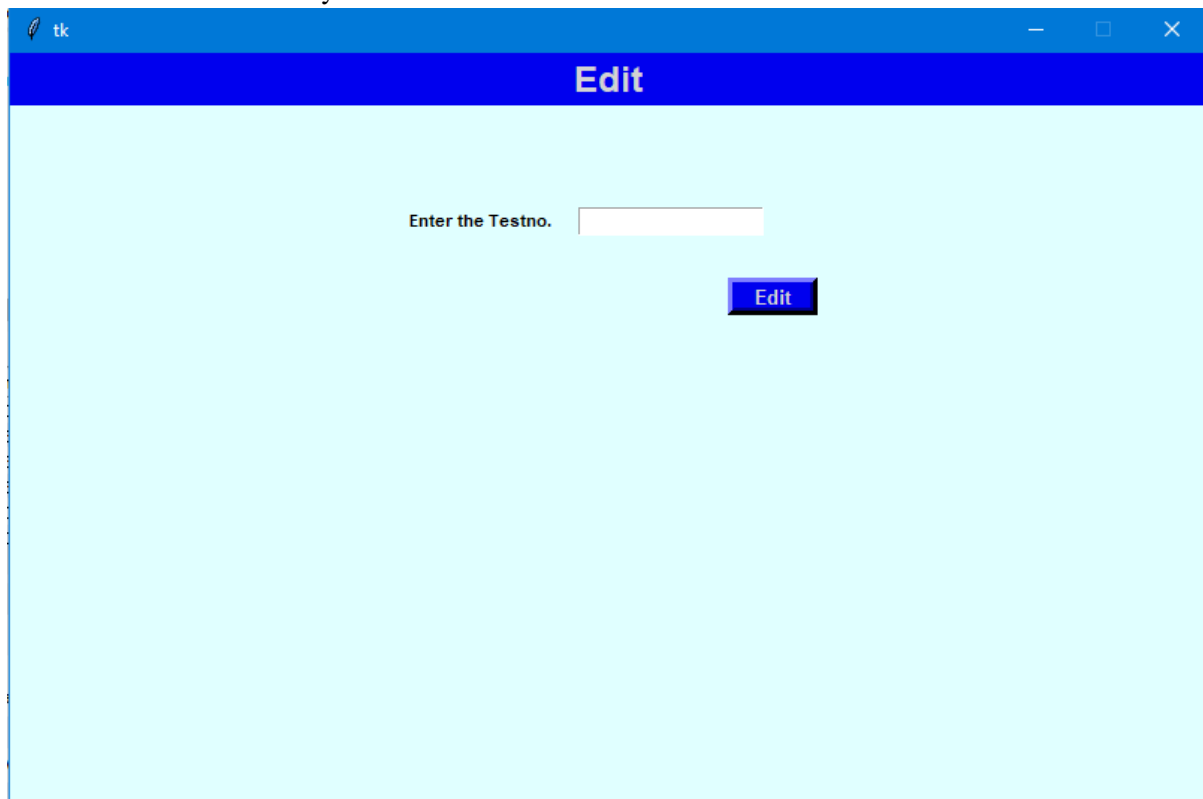


If the fields are kept empty then there is an error or if mobile number is invalid or Test number is not unique then there is error





If one wants to edit an entry he can click edit button:



You have to enter an existing test number. If the number is present in database then another window will open where you can edit the fields of that entry.

tk

Edit

Name : Address :

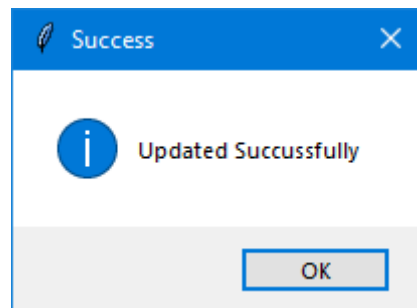
Age : Date :
DD MM YYYY

Mobile No : **Submit**

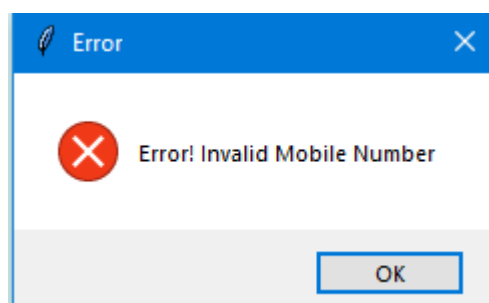
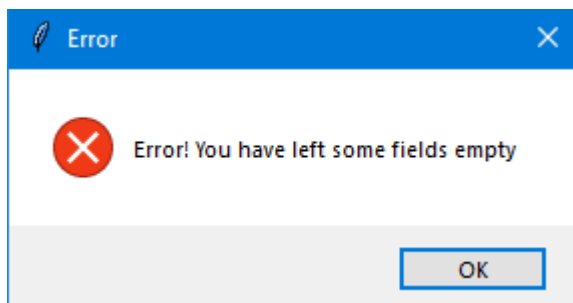
(Mobile number should be 10 digit and start with either 7, 8, 9)

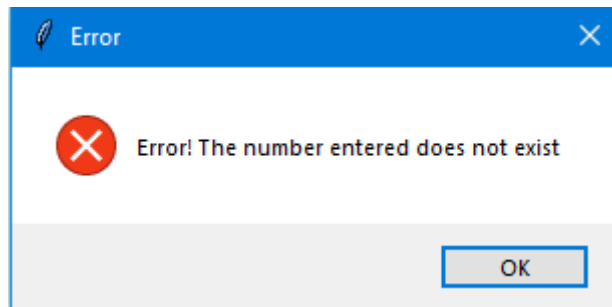
Information can be filled and then the Submit button is clicked.

If all the information is correct with no errors in the fields a message prompt appears as:

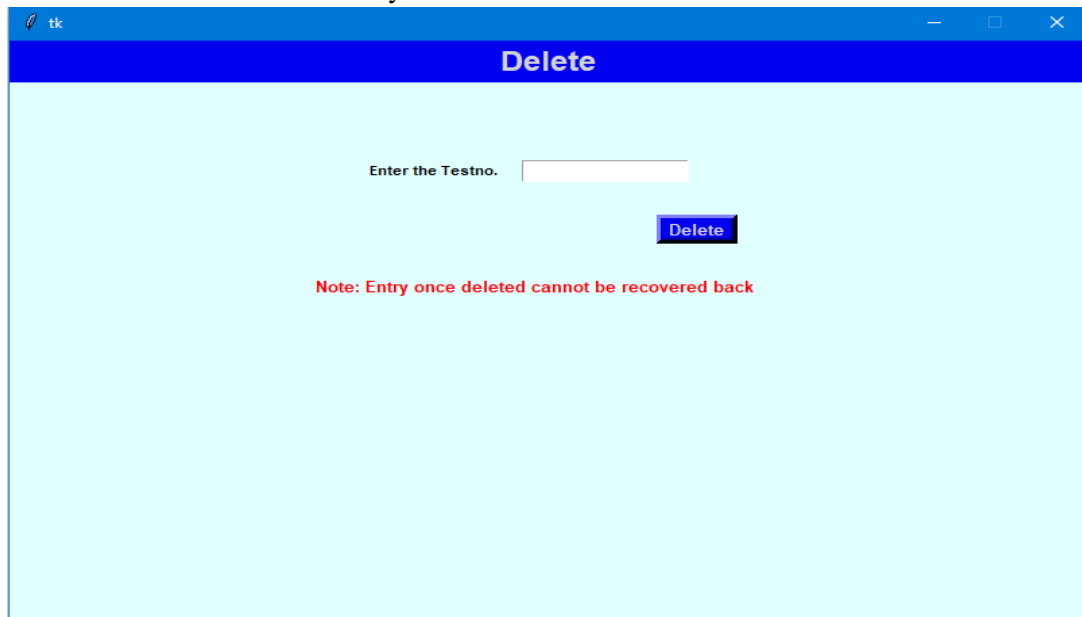


If the fields are kept empty then there is an error or if mobile number is invalid or Test number does not exist then there is error

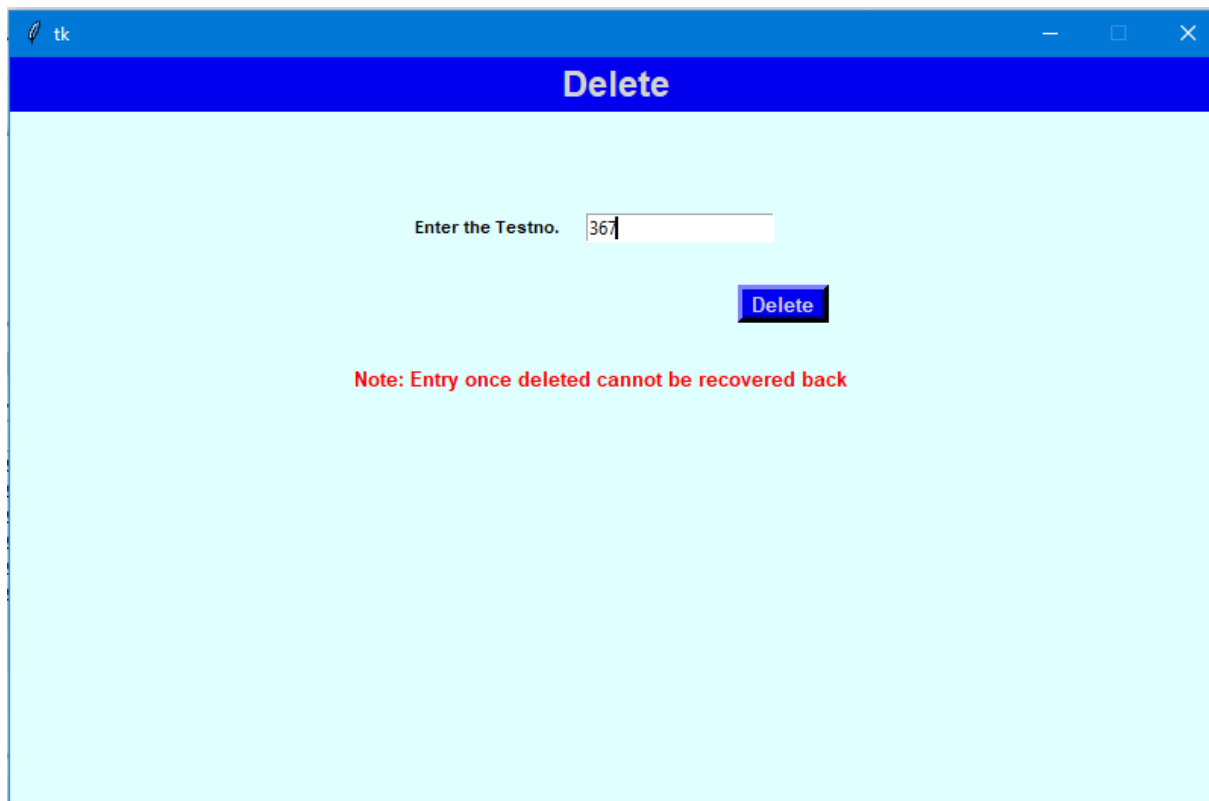




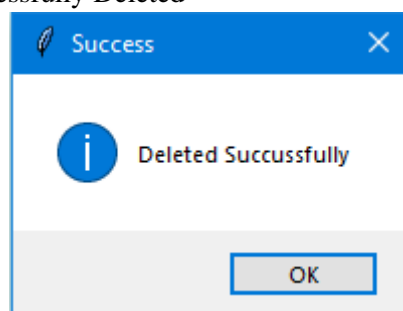
If one wants to DELETE an entry he can click Delete button:



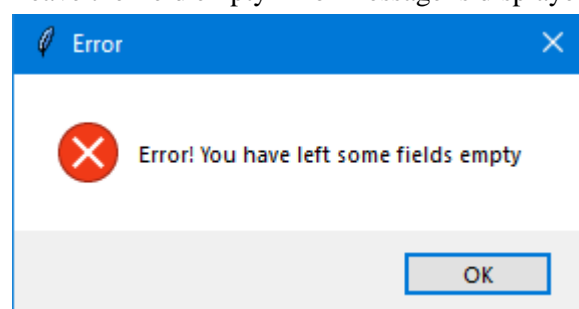
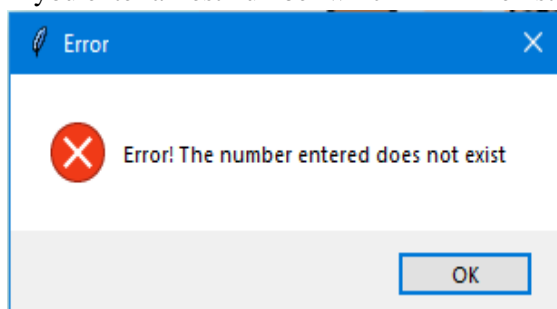
You have to enter the existing test number and press Delete button
For example: Enter the test number 367 and press Delete



If the Entry is present in the database then the Record of that specific Test number gets Deleted. A message prompt appears as Successfully Deleted



If you enter a Test number which doesn't exist or leave the field empty Error message is displayed.



If you want to view the entries just click on View Button:

Test No	Name of patient	Address	Age	Mobile No	Date
124	Akshara Awate	Papdy,Vasai	10	9819602075	2020-04-01
146	Dona Gear	Rosevilla Virar	35	7391872934	2020-03-31
267	Frank	Near bccb Virar	65	7066243665	2020-03-31
367	Shanal Ruzario	Shalom house Borivali	35	7066253994	2020-03-31
383	Gulzar	Dharavi, Mumbai-17	38	9122568785	2020-04-02
400	Frank Nunes	Papdy,Vasai	49	7568429137	2020-04-03
461	Ronald Colaco	Dharavi Mumbai	46	7613489216	2020-04-14
468	Rohan	opp bccb papdy	24	8524163792	2020-03-19
1648	Rex	Dex villa	25	7594682310	2020-04-20
7531	Dawin	Royal villa Bandra	35	9454682310	2020-03-24
7821	Raj pal	3orival Arcade Mumba	36	9846753125	2020-04-02

If the user find some difficulties he can use the help button to clarify his doubts.

tk

Help

1.Please check the Testno before submitting it.

2.Please check the installation of My Sql for Database related issues.

3.Before running this program open MYSQL and run the following Queries

```
create database db1
```

```
use db1
```

```
create table patients(Testno int unique,Address text NOT NULL,Nameofpatient text NOT NULL,Datefound Date NOT NULL
```

```
,Age int NOT NULL,Mobno numeric(10))
```

4.Please change the password in the code to your root password.

5.Run the following command in CMD(Windows) (pip install mysql-connector-python).

6.For any further assistance please contact us at abc@fake.com

Developed by Clint Ferreira(8670) and Orvell Ferreira(8671)