

# ACKNOWLEDGEMENT

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# CERTIFICATE

This is to certify that

Ms. **ANJALIBA JADEJA**

Of class **XII SCI.** of

**WHITE HOUSE PUBLIC SCHOOL**

has completed her project file under my supervision. She has taken proper care and shown utmost sincerity in completion of this project. I certify that this project is up to my expectation and as per the guidelines issued by **CBSE**.

**Ms. KINJAL Thacker**

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Internal

Examiner

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Principal

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External

Examiner

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# INTRODUCTION

## BLOOD BANK MANAGEMENT SYSTEM

This project has been made for storing data of donors and recipients like Id, name, bloodgroup, number etc. It involves four main functions i.e. Add, Delete, Show and Upgrade. For better understanding, visual element such as graphs are present.

# CODING & OUTPUT

```
from tkinter import*

from PIL import ImageTk,Image

from tkinter import messagebox as mb

from tkinter import ttk


window=Tk()

window.title("BLOOD BANK")

window.configure(background="white")

window.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

canvas=Canvas(window,width=960,height=500)

image=ImageTk.PhotoImage(Image.open("C:\\Users\\Anjali\\Desktop\\A\\blood.jpg"))

canvas.create_image(480,280,image=image)

canvas.pack()

#=====

label1=Label(window,text="WELCOME TO THE BLOOD
BANK",bg="white",fg="red",font=("arial",25,"bold"))

label1.place(x=0,y=0,relwidth=1)

# variables-----

window.username=StringVar()

window.pass_=StringVar()

# FRAME-----

Login_Frame=Frame(window,bg="white")

Login_Frame.place(x=300,y=300)


label2=Label(Login_Frame,text="Username",bg="white",fg="red",font=("arial",19,"bold")).grid(row=
2,column=3)
```

```
e1=Entry(Login_Frame,bd=5,textvariable=window.uname,relief=GROOVE,font=("arial",19,"bold")).grid(row=2,column=5)
```

```
label2=Label(Login_Frame,text="Password",bg="white",fg="red",font=("arial",19,"bold")).grid(row=4,column=3)
```

```
e2=Entry(Login_Frame,bd=5,textvariable=window.pass_,relief=GROOVE,font=("arial",19,"bold")).grid(row=4,column=5)
```

```
def login():
```

```
    if window.uname.get()==" " or window.pass_.get()=="":
```

```
        mb.showerror("Error","All fields are required")
```

```
    elif window.uname.get()=="Anjali" and window.pass_.get()=="123456":
```

```
        mb.showinfo("Welcome","Login Successful")
```

```
        loginpage()
```

```
    else:
```

```
        mb.showerror("Error","Invalid Username or Password")
```

```
btn1=Button(Login_Frame,text="Login",command=login,font=("arial",19,"bold"),bg="red",fg="white").grid(row=6,column=3)
```

```
exit1=Button(Login_Frame,text="Exit",bg="red",fg="white",command=window.destroy,font=("arial",19,"bold")).grid(row=6,column=5,pady=10)
```

```
# login page-----
```

```
def loginpage():
```

```
    global window1
```

```
    global image1
```

```
window1= Toplevel(window)
```

```
window1.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
canvas=Canvas(window1,width=1050,height=900)
```

```
image1=ImageTk.PhotoImage(Image.open("C:\\Users\\Anjali\\Desktop\\A\\floral.jpg"))
```

```
canvas.create_image(530,350,image=image1)
```

```
canvas.pack()
```

```
Label(window1,text="Welcome!!!Login  
Successful!!",bg="blue",fg="white",font=("arial",25,"bold")).place(x=0,y=0,relwidth=1)
```

```
btn2=Button(window1,text="DONOR  
DETAILS",font=("arial",19,"bold"),command=donor,bg="magenta",fg="white")
```

```
btn2.place(x=50,y=100)
```

```
btn3=Button(window1,text="RECIPIENTS",font=("arial",19,"bold"),command=recep,bg="orange",fg="white")
```

```
btn3.place(x=50,y=350)
```

```
btn4=Button(window1,text="UPDATE  
DETAILS",command=update1,font=("arial",19,"bold"),bg="brown",fg="white")
```

```
btn4.place(x=800,y=100)
```

```
btn5=Button(window1,text="DELETE DETAILS",font=("arial",19,"bold"),command=dele,bg="light  
green",fg="white")
```

```
btn5.place(x=800,y=350)
```

```
btn6=Button(window1,text="SHOW DETAILS",command=show1,  
font=("arial",19,"bold"),bg="purple",fg="white")
```

```
btn6.place(x=450,y=250)
```

```
btn7=Button(window1,text="BACK",font=("arial",19,"bold"),command=window1.destroy,bg="red",f  
g="white")
```

```
btn7.place(x=290,y=450)
```

```
btn8=Button(window1,text="GRAPH",font=('arial',19,'bold'),bg='sky  
blue',fg='white',command=graph)
```

```
btn8.place(x=600,y=450)
```

```
label4=Label(window1,text="#Your Little Share Of Blood Can Give Many Years Of Life To  
Someone!!!",font=("verdana",19,"bold"),bg='white',fg="green")
```

```
label4.place(x=30,y=600)
```

```
label5=Label(window1,text="#Donate Blood, Donate A  
Life",font=("vardana",19,"bold"),bg='white',fg="red")
```

```
label5.place(x=400,y=630)
```

```
#=====
```

```
# ADD
```

```
#code for adding donor details -----
```

```
def donor_user():
```

```
import mysql.connector as ms
```

```
from tkinter import messagebox as mb
```

```
did_info=did.get()
```

```
first_info=firstname.get()
```

```
last_info=lastname.get()
```

```
blood_info=bloodgroup.get()
```

```
age_info=age.get()
```



```
con_info=contact.get()
```

```
gen_info=gender.get()
```

```
if (did_info=="" or first_info=="" or last_info=="" or blood_info=="" or age_info=="" or  
con_info=="" or gen_info==""):
```

```
    mb.showerror("Insert Status","Everything is required",parent=window2)
```

```
else:
```

```
    mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
    cur=mydb.cursor()
```

```
    sql1=("insert into donor values(%s,%s,%s,%s,%s,%s,%s,%s)")
```

```
    val1=(did_info,first_info,last_info,blood_info,age_info,con_info,gen_info)
```

```
    cur.execute(sql1,val1)
```

```
    mydb.commit()
```

```
    mb.showinfo("Insert Status","Details Added",parent=window2)
```

```
# adding donor details -----
```

```
def donor():
```

```
    global window2
```

```
    window2=Toplevel(window1)
```

```
    window2.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window2.configure(background="violet")
```

```
    window2.geometry("700x650")
```

```
    global did
```

```
    global firstname
```

```
    global lastname
```

```
    global bloodgroup
```

```
    global age
```

global contact

global gender

did=StringVar()

firstname=StringVar()

lastname=StringVar()

bloodgroup=StringVar()

age=StringVar()

contact=StringVar()

gender=StringVar()

Label(window2,text="First  
Name",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=100)

Entry(window2,text=firstname,font=("arial",19,"bold")).place(x=300,y=100)

Label(window2,text="Last  
Name",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=150)

Entry(window2,text=lastname,font=("arial",19,"bold")).place(x=300,y=150)

Label(window2,text="ID",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=200)

Entry(window2,text=did,font=("arial",19,"bold")).place(x=300,y=200)

Label(window2,text="Blood  
Group",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=250)

Entry(window2,text=bloodgroup,font=("arial",19,"bold")).place(x=300,y=250)

Label(window2,text="Age",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=300)

Entry(window2,text=age,font=("arial",19,"bold")).place(x=300,y=300)

```
Label(window2,text="Contact",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=350)
```

```
Entry(window2,text=contact,font=("arial",19,"bold")).place(x=300,y=350)
```

```
Label(window2,text="Gender",bg="white",fg="magenta",font=("arial",19,"bold")).place(x=150,y=400)
```

```
Entry(window2,text=gender,font=("arial",19,"bold")).place(x=300,y=400)
```

```
Button(window2,text="Add  
Details",font=("arial",19,"bold"),command=donor_user,bg="blue",fg="white").place(x=150,y=500)
```

```
Button(window2,text="Back",font=("arial",19,"bold"),command=window2.destroy,bg="red",fg="white").place(x=400,y=500)
```

```
# code for adding recipients details-----
```

```
def recep_user():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    rid_info=rid.get()
```

```
    first_info=firstname.get()
```

```
    last_info=lastname.get()
```

```
    blood_info=bloodgroup.get()
```

```
    age_info=age.get()
```

```
    con_info=contact.get()
```

```
    gen_info=gender.get()
```

```
    if (rid_info=="" or first_info =="" or last_info=="" or blood_info=="" or age_info=="" or  
con_info=="" or gen_info==""):
```

```
        mb.showerror("Insert Status","Everything is required",parent=window4)
```

else:

```
mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
cur=mydb.cursor()
```

```
sql1=("insert into recipient values(%s,%s,%s,%s,%s,%s,%s,%s)")
```

```
val1=(rid_info,first_info,last_info,blood_info,age_info,con_info,gen_info)
```

```
cur.execute(sql1,val1)
```

```
mydb.commit()
```

```
mb.showinfo("Insert Status","Details Added",parent=window4)
```

# adding recipient details-----

```
def recep():
```

```
    global window4
```

```
    window4=Toplevel(window)
```

```
    window4.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window4.configure(background="orange")
```

```
    window4.geometry("700x650")
```

```
    global rid
```

```
    global firstname
```

```
    global lastname
```

```
    global bloodgroup
```

```
    global age
```

```
    global contact
```

```
    global gender
```

```
    rid=StringVar()
```

```
    firstname=StringVar()
```

```
    lastname=StringVar()
```

```
    bloodgroup=StringVar()
```

```
age=StringVar()  
contact=StringVar()  
gender=StringVar()
```

```
Label(window4,text="First  
Name",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=100)  
Entry(window4,text=firstname,font=("arial",19,"bold")).place(x=300,y=100)
```

```
Label(window4,text="Last  
Name",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=150)  
Entry(window4,text=lastname,font=("arial",19,"bold")).place(x=300,y=150)
```

```
Label(window4,text="ID",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=200)  
Entry(window4,text=rid,font=("arial",19,"bold")).place(x=300,y=200)
```

```
Label(window4,text="Blood  
Group",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=250)  
Entry(window4,text=bloodgroup,font=("arial",19,"bold")).place(x=300,y=250)
```

```
Label(window4,text="Age",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=300)  
Entry(window4,text=age,font=("arial",19,"bold")).place(x=300,y=300)
```

```
Label(window4,text="Contact",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=350)  
Entry(window4,text=contact,font=("arial",19,"bold")).place(x=300,y=350)
```

```
Label(window4,text="Gender",bg="white",fg="orange",font=("arial",19,"bold")).place(x=150,y=400)
```

```
Entry(window4,text=gender,font=("arial",19,"bold")).place(x=300,y=400)
```

```
Button(window4,text="Add  
Details",font=("arial",19,"bold"),command=recep_user,bg="blue",fg="white").place(x=150,y=500)
```

```
Button(window4,text="Back",font=("arial",19,"bold"),command=window4.destroy,bg="red",fg="white").place(x=400,y=500)
```

```
#=====
```

```
# DELETE
```

```
# delete module for donor-----
```

```
def dele_user():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    did_info=did.get()
```

```
    if did_info=="":
```

```
        mb.showerror("Error","ID is required",parent=window5)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        sql2=("delete from donor where did = %s")
```

```
        val2=(did_info,)
```

```
        cur.execute(sql2,val2)
```

```
        mydb.commit()
```

```
        mb.showinfo("Insert Status","Records Deleted",parent=window5)
```

```
# delete module for recipient-----
```

```
def delet_user():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    rid_info=rid.get()
```

```

if rid_info=="":
    mb.showerror("Error","ID is required",parent=window6)
else:
    mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
    cur=mydb.cursor()
    sql2=("delete from recipient where rid = %s")
    val2=(rid_info,)
    cur.execute(sql2,val2)
    mydb.commit()
    mb.showinfo("Insert Status","Records Deleted",parent=window6)

# deleting donor details-----
def del1():
    global window5
    window5=Toplevel(window)
    window5.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
    window5.configure(background="sky blue")
    window5.geometry("700x500")
    global did
    did=StringVar()

    Label(window5,text="Enter the ID of the
person:",fg="purple",font=("arial",19,"bold")).place(x=40,y=100)

    Entry(window5,text=did,font=("arial",19,"bold")).place(x=370,y=100)

    Button(window5,text="DELETE",command=dele_user,bg="blue",fg="white",font=("arial",19,"bold"))
    .place(x=250,y=200)

    Button(window5,text="Back",command=window5.destroy,bg="red",fg="white",font=("arial",19,"bol
d")).place(x=400,y=200)

```

#deleting recipient details-----

def del2():

    global window6

    window6=Toplevel(window)

    window6.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window6.configure(background="sky blue")

    window6.geometry("700x500")

    global rid

    rid=StringVar()

    Label(window6,text="Enter the ID of the  
person:",fg="purple",font=("arial",19,"bold")).place(x=40,y=100)

    Entry(window6,text=rid,font=("arial",19,"bold")).place(x=370,y=100)

    Button(window6,text="DELETE",command=delet\_user,bg="blue",fg="white",font=("arial",19,"bold")  
).place(x=250,y=200)

    Button(window6,text="Back",command=window6.destroy,bg="red",fg="white",font=("arial",19,"bold")  
d")).place(x=400,y=200)

# for deleting-----

def dele():

    global window3

    window3=Toplevel(window)

    window3.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window3.configure(background="light green")

    window3.geometry("700x500")

    Label(window3,text="Whose details do you want to delete  
?",fg="green",font=("arial",19,"bold")).place(x=90,y=100)



```
Button(window3,text="DONOR",command=del1,bg="magenta",fg="white",font=("arial",19,"bold")).  
place(x=100,y=150)
```

```
Button(window3,text="RECIPIENT",command=del2,bg="magenta",fg="white",font=("arial",19,"bold"  
)).place(x=350,y=150)
```

```
Button(window3,text="Back",command=window3.destroy,bg="red",fg="white",font=("arial",19,"bol  
d")).place(x=250,y=250)
```

```
#=====
```

```
# SHOW
```

```
#-----USING BLOODGROUP-----
```

```
# show module for donor-----
```

```
def bloodchoose1():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    from tkinter import ttk
```

```
    blood_info=bloodgroup.get()
```

```
    if blood_info=="":
```

```
        mb.showerror('Insert Status','Bloodgroup is required',parent=window25)
```

```
    else:
```

```
        mydb=ms.connect(host='localhost',user='root',passwd='anjali',database='phoenix')
```

```
        cur=mydb.cursor()
```

```
        cur.execute("select * from donor where bloodgroup=%s",(blood_info,))
```

```
        res2=cur.fetchall()
```

```
        count=cur.rowcount
```

```
        if count==0:
```

```
            mb.showerror("Error","No Such Bloodgroup Is Present",parent=window25)
```

```
        else:
```

```

frame=Frame(window25)

frame.place(x=10,y=200)

tv1=ttk.Treeview(frame,columns=(1,2,3,4,5,6,7),show='headings',height='5')

tv1.pack()

tv1.column(1,width=100)

tv1.heading(1,text='ID')

tv1.heading(2,text='First Name')

tv1.heading(3,text='Last Name')

tv1.heading(4,text='Bloodgroup')

tv1.heading(5,text='Age')

tv1.heading(6,text='Contact')

tv1.heading(7,text='Gender')

for i in res2:

    tv1.insert('', 'end', values=i)

```

# showing donor details -----

```
def bloodchoose():
```

```
    global window25
```

```
    window25=Toplevel(window)
```

```
    window25.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window25.configure(background="sky blue")
```

```
    window25.geometry("1500x2000")
```

```
    window25.resizable(1,0)
```

```
    global bloodgroup
```

```
    bloodgroup=StringVar()
```

```
    Label(window25,text='Bloodgroup',font=("algerian",19,'bold'),fg='red').place(x=50,y=50)
```

```
Entry(window25,text=bloodgroup,font=('arial',19,'bold')).place(x=250,y=50)
```

```
Button(window25,text='Show',command=bloodchoose1,font=('arial',19,'bold'),fg='green',bg='yellow').place(x=59,y=110)
```

```
Button(window25,text='Back',command=window25.destroy,font=('arial',19,'bold'),fg='white',bg='red').place(x=250,y=110)
```

```
# show module for recipient -----
```

```
def bloodchoose2():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    from tkinter import ttk
```

```
    blood_info=bloodgroup.get()
```

```
    if blood_info=="":
```

```
        mb.showerror('Insert Status','Bloodgroup is required',parent=window26)
```

```
    else:
```

```
        mydb=ms.connect(host='localhost',user='root',passwd='anjali',database='phoenix')
```

```
        cur=mydb.cursor()
```

```
        cur.execute("select * from recipient where bloodgroup=%s",(blood_info,))
```

```
        res2=cur.fetchall()
```

```
        count=cur.rowcount
```

```
        if count==0:
```

```
            mb.showerror("Error","No Such Bloodgroup Is Present",parent=window26)
```

```
        else:
```

```
            frame=Frame(window26)
```

```
            frame.place(x=10,y=200)
```

```
            tv1=ttk.Treeview(frame,columns=(1,2,3,4,5,6,7),show='headings',height='5')
```

```
            tv1.pack()
```

```

tv1.column(1,width=100)

tv1.heading(1,text='ID')

tv1.heading(2,text='First Name')

tv1.heading(3,text='Last Name')

tv1.heading(4,text='Bloodgroup')

tv1.heading(5,text='Age')

tv1.heading(6,text='Contact')

tv1.heading(7,text='Gender')

for i in res2:

    tv1.insert('', 'end', values=i)

```

# showing recipient details -----

```
def bdg():
```

```
    global window26
```

```
    window26=Toplevel(window)
```

```
    window26.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window26.configure(background="sky blue")
```

```
    window26.geometry("1490x800")
```

```
    window26.resizable(1,0)
```

```
    global bloodgroup
```

```
    bloodgroup=StringVar()
```

```
    Label(window26,text='Bloodgroup',font=("algerian",19,'bold'),fg='red').place(x=50,y=50)
```

```
    Entry(window26,text=bloodgroup,font=('arial',19,'bold')).place(x=250,y=50)
```

```
    Button(window26,text='Show',command=bloodchoose2,font=('arial',19,'bold'),fg='green',bg='yellow')
    .place(x=59,y=110)
```

```
    Button(window26,text='Back',command=window26.destroy,font=('arial',19,'bold'),fg='white',bg='red')
    .place(x=250,y=110)
```

```

#-----
#-----USING ID-----
# show module for donor

def showd():

    import mysql.connector as ms

    from tkinter import messagebox as mb

    global firstname

    global lastname

    global bloodgroup

    global age

    global contact

    global gender

    did_info=did.get()

    if did_info=="":

        mb.showerror("Insert status","ID is required",parent=window23)

    else:

        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")

        cur=mydb.cursor()

        cur.execute("select* from donor where did=%s",(did_info,))

        res=cur.fetchall()

        count=cur.rowcount

        if count==0:

            mb.showerror("Error","No such Id Is Present",parent=window23)

        else:

            for x in res:

                firstname=x[1]

                lastname=x[2]

```

```
bloodgroup=x[3]
```

```
age=x[4]
```

```
contact=x[5]
```

```
gender=x[6]
```

```
Label(window23,text="First  
Name",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=300)
```

```
Label(window23,text=firstname,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=300)
```

```
Label(window23,text="Last  
Name",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=350)
```

```
Label(window23,text=lastname,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=350)
```

```
Label(window23,text='Bloodgroup',font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=400)
```

```
Label(window23,text=bloodgroup,font=('arial',19,'bold'),fg='red',bg='white').place(x=250,y=400)
```

```
Label(window23,text="Age",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=450)
```

```
Label(window23,text=age,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=450)
```

```
Label(window23,text="Contact",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=500)
```

```
Label(window23,text=contact,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=500)
```

```
Label(window23,text="Gender",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=550)
```

```
Label(window23,text=gender,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=550)
```

```
Button(window23,text="Back",font=("arial",19,"bold"),command=window23.destroy,bg='purple',fg='orange').place(x=300,y=150)
```

```
# showing donor details-----
```

```
def showmed():
```

```
global window23
```

```
window23=Toplevel(window)
```

```
window23.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
window23.configure(background="sky blue")
```

```
window23.geometry("700x650")
```

```
global did
```

```
did=StringVar()
```

```
Label(window23,text="Enter your ID",font=("arial",19,"bold"),bg="green",fg="yellow").place(x=30,y=50)
```

```
Entry(window23,textvariable=did,font=("arial",19,"bold")).place(x=250,y=50)
```

```
Button(window23,text="SHOW",command=showd,fg="purple",bg="orange",font=("arial",19,"bold")).place(x=100,y=150)
```

```
# show module for recipient-----
```

```
def showr():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    global firstname
```

```
    global lastname
```

```
    global bloodgroup
```

```
    global age
```

```
    global contact
```

```
    global gender
```

```
    rid_info=rid.get()
```

```
    if rid_info=="":
```

```
        mb.showerror("Insert status","Bloodgroup is required",parent=window24)
```

```
    else:
```

```

mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")

cur=mydb.cursor()

cur.execute("select* from recipient where rid=%s",(rid_info,))

res=cur.fetchall()

count=cur.rowcount

if count==0:

    mb.showerror("Error","No such Id Is Present",parent=window24)

else:

    for x in res:

        firstname=x[1]

        lastname=x[2]

        bloodgroup=x[3]

        age=x[4]

        contact=x[5]

        gender=x[6]


    Label(window24,text="First
Name",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=300)

    Label(window24,text=firstname,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=300)

    Label(window24,text="Last
Name",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=350)

    Label(window24,text=lastname,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=350)

    Label(window24,text='Bloodgroup',font=("arial",19,'bold'),fg='white',bg='blue').place(x=100,y=400)

    Label(window24,text=bloodgroup,font=("arial",19,'bold'),fg='red',bg='white').place(x=250,y=400)

```



```

Label(window24,text="Age",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=450)

Label(window24,text=age,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=450)

Label(window24,text="Contact",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=500)

Label(window24,text=contact,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=500)

Label(window24,text="Gender",font=('arial',19,'bold'),fg='white',bg='blue').place(x=100,y=550)

Label(window24,text=gender,font=("arial",19,'bold'),bg='white',fg='red').place(x=250,y=550)

Button(window24,text="Back",font=("arial",19,"bold"),command=window24.destroy,bg='purple',fg='orange').place(x=300,y=150)

# showing receipient details -----

def showmer():

    global window24

    window24=Toplevel(window)

    window24.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window24.configure(background="sky blue")

    window24.geometry("700x650")

    global rid

    rid=StringVar()

    Label(window24,text="Enter your ID",font=("arial",19,"bold"),bg="green",fg="yellow").place(x=30,y=50)

    Entry(window24,textvariable=rid,font=("arial",19,"bold")).place(x=250,y=50)

    Button(window24,text="SHOW",command=showr,fg="purple",bg="orange",font=("arial",19,"bold")).place(x=100,y=150)

#-----

# for choosing the option-----

```

```

def choose():

    Label(window7,text='Choose the
option',font=("arial",19,"bold"),bg='blue',fg='white').place(x=130,y=190)

    Button(window7,text='On the basis of
ID',command=showmed,font=("arial",19,"bold"),fg='yellow',bg='sky blue').place(x=150,y=240)

    Button(window7,text='On the basis of
bloodgroup',command=bloodchoose,font=("arial",19,'bold'),fg='yellow',bg='sky
blue').place(x=150,y=310)


def choose1():

    Label(window7,text='Choose the
option',font=("arial",19,"bold"),bg='blue',fg='white').place(x=130,y=190)

    Button(window7,text='On the basis of ID',command=showmer,font=("arial",19,"bold"),fg='sky
blue',bg='yellow').place(x=150,y=240)

    Button(window7,text='On the basis of bloodgroup',command=bdg,font=("arial",19,'bold'),fg='sky
blue',bg='yellow').place(x=150,y=310)


# for showing data-----

def show1():

    global window7

    window7=Toplevel(window)

    window7.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window7.configure(background="light green")

    window7.geometry("700x500")


    Label(window7,text="Whose details do you want to see
?",fg="blue",font=("arial",19,"bold")).place(x=90,y=50)


    Button(window7,text="DONOR",command=choose,fg="green",bg="pink",font=("arial",19,"bold")).pl
ace(x=100,y=100)

```

```
Button(window7,text="RECIPIENT",command=choose1,bg="pink",fg="green",font=("arial",19,"bold"))).place(x=350,y=100)
```

```
Button(window7,text="Back",command=window7.destroy,bg="red",fg="white",font=("arial",19,"bold"))).place(x=250,y=380)
```

```
#=====
```

```
# UPDATE
```

```
# update module for first name-----
```

```
def firstd():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    name_info=name.get()
```

```
    id_info=id1.get()
```

```
    if (name_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window10)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        cur.execute("update donor set firstname= %s where did= %s",(name_info,id_info))
```

```
        mydb.commit()
```

```
        mb.showinfo("Successful","Records Updated",parent=window10)
```

```
# first name-----
```

```
def first():
```

```
    global window10
```

```
    window10= Toplevel(window)
```

```
    window10.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
window10.configure(background="pink")
```

```
window10.geometry("700x650")
```

```
global id1
```

```
global name
```

```
id1=StringVar()
```

```
name=StringVar()
```

```
Label(window10,text="Enter your  
ID",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=100)
```

```
Entry(window10,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)
```

```
Label(window10,text="Enter the new first  
name",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=150)
```

```
Entry(window10,textvariable=name,font=("arial",19,"bold")).place(x=370,y=150)
```

```
Button(window10,text="UPDATE",command=firstd,bg="green",fg="pink",font=('arial',19,'bold')).place(x=80,y=250)
```

```
Button(window10,text="Back",command=window10.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=270,y=250)
```

```
# update module for last name-----
```

```
def lastd():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    name1_info=name1.get()
```

```
    id_info=id1.get()
```

```
    if (name1_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window11)
```

```
    else:
```

```

mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")

cur=mydb.cursor()

cur.execute("update donor set lastname= %s where did= %s",(name1_info,id_info))

mydb.commit()

mb.showinfo("Successful","Records Updated",parent=window11)

```

#last name-----

```
def last1():
```

```
    global window11
```

```
    window11= Toplevel(window)
```

```
    window11.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window11.configure(background="pink")
```

```
    window11.geometry("700x650")
```

```
    global id1
```

```
    global name1
```

```
    id1=StringVar()
```

```
    name1=StringVar()
```

```
    Label(window11,text="Enter your
ID",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=100)
```

```
    Entry(window11,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)
```

```
    Label(window11,text="Enter the new last
name",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=150)
```

```
    Entry(window11,textvariable=name1,font=("arial",19,"bold")).place(x=370,y=150)
```

```
    Button(window11,text="UPDATE",command=lastd,bg="purple",fg="light
blue",font=('arial',19,'bold')).place(x=80,y=250)
```

```
Button(window11,text="Back",command=window11.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=270,y=250)
```

```
# update module for age-----
```

```
def aged():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    age1_info=age1.get()
```

```
    id_info=id1.get()
```

```
    if (age1_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window12)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        cur.execute("update donor set age= %s where did= %s",(age1_info,id_info))
```

```
        mydb.commit()
```

```
        mb.showinfo("Successful","Records Updated",parent=window12)
```

```
# age-----
```

```
def age():
```

```
    global window12
```

```
    window12=Toplevel(window)
```

```
    window12.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window12.configure(background="pink")
```

```
    window12.geometry("700x600")
```

```
    global id1
```

```
    global age1
```

```
id1=StringVar()
```

```
age1=StringVar()
```

```
Label(window12,text="Enter your  
ID",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=100)
```

```
Entry(window12,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)
```

```
Label(window12,text="Enter the new  
age",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=150)
```

```
Entry(window12,textvariable=age1,font=("arial",19,"bold")).place(x=310,y=150)
```

```
Button(window12,text="UPDATE",command=aged,bg="magenta",fg="light  
green",font=('arial',19,'bold')).place(x=80,y=250)
```

```
Button(window12,text="Back",command=window12.destroy,bg="red",fg="white",font=("arial",19,"  
bold")).place(x=270,y=250)
```

```
# update module for blood group-----
```

```
def bloodd():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    blood1_info=blood1.get()
```

```
    id_info=id1.get()
```

```
    if (blood1_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window13)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        cur.execute("update donor set bloodgroup= %s where did= %s",(blood1_info,id_info))
```

```
        mydb.commit()
```

```
        mb.showinfo("Successful","Records Updated",parent=window13)
```

```
# blood group-----
```

```
def blood1():
```

```
    global window13
```

```
    window13=Toplevel(window)
```

```
    window13.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window13.configure(background="pink")
```

```
    window13.geometry("700x600")
```

```
    global id1
```

```
    global blood1
```

```
    id1=StringVar()
```

```
    blood1=StringVar()
```

```
    Label(window13,text="Enter your  
ID",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=100)
```

```
    Entry(window13,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)
```

```
    Label(window13,text="Enter the new blood  
group",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=150)
```

```
    Entry(window13,textvariable=blood1,font=("arial",19,"bold")).place(x=390,y=150)
```

```
    Button(window13,text="UPDATE",command=bloodd,bg="light  
green",fg="orange",font=('arial',19,'bold')).place(x=80,y=250)
```

```
    Button(window13,text="Back",command=window13.destroy,bg="red",fg="white",font=("arial",19,"  
bold")).place(x=270,y=250)
```

```
# update module for contact-----
```

```
def contactd():
```

```
    import mysql.connector as ms
```



```
from tkinter import messagebox as mb
```

```
contact1_info=con1.get()
```

```
id_info=id1.get()
```

```
if (contact1_info=="" or id_info==""):
```

```
    mb.showerror("Error","Both are required",parent=window14)
```

```
else:
```

```
    mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
    cur=mydb.cursor()
```

```
    cur.execute("update donor set contact= %s where did= %s",(contact1_info,id_info))
```

```
    mydb.commit()
```

```
    mb.showinfo("Successful","Records Updated",parent=window14)
```

```
#for contact-----
```

```
def contact():
```

```
    global window14
```

```
    window14=Toplevel(window)
```

```
    window14.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window14.configure(background="pink")
```

```
    window14.geometry("700x600")
```

```
    global id1
```

```
    global con1
```

```
    id1=StringVar()
```

```
    con1=StringVar()
```

```
    Label(window14,text="Enter your  
ID",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=100)
```

```
Entry(window14,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)
```

```
Label(window14,text="Enter the new  
contact",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=150)
```

```
Entry(window14,textvariable=con1,font=("arial",19,"bold")).place(x=350,y=150)
```

```
Button(window14,text="UPDATE",command=contactd,bg="light  
green",fg="purple",font=('arial',19,'bold')).place(x=80,y=250)
```

```
Button(window14,text="Back",command=window14.destroy,bg="red",fg="white",font=("arial",19,"  
bold")).place(x=270,y=250)
```

```
# update module for gender-----
```

```
def genderd():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    gender1_info=gen1.get()
```

```
    id_info=id1.get()
```

```
    if (gender1_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window15)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        cur.execute("update donor set gender= %s where did= %s",(gender1_info,id_info))
```

```
        mydb.commit()
```

```
        mb.showinfo("Successful","Records Updated",parent=window15)
```

```
# for gender-----
```

```
def gender():
```

```
    global window15
```

```

window15=Toplevel(window)

window15.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

window15.configure(background="pink")

window15.geometry("700x600")

global id1

global gen1

id1=StringVar()

gen1=StringVar()


Label(window15,text="Enter your
ID",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=100)

Entry(window15,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

Label(window15,text="Enter the new
gender",bg="yellow",fg="brown",font=("arial",19,"bold")).place(x=60,y=150)

Entry(window15,textvariable=gen1,font=("arial",19,"bold")).place(x=350,y=150)


Button(window15,text="UPDATE",command=genderd,bg="orange",fg="blue",font=('arial',19,'bold'))
.place(x=80,y=250)


Button(window15,text="Back",command=window15.destroy,bg="red",fg="white",font=("arial",19,"
bold")).place(x=270,y=250)


# update donor details-----

def upd():

    from PIL import ImageTk,Image

    global window9

    window9=Toplevel(window)

    window9.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window9.configure(background="sky blue")

    window9.geometry("1000x650")

```

```
Label(window9,text="What do you want to update  
?",bg="blue",fg="white",font=("arial",19,"bold")).place(x=60,y=100)
```

```
Button(window9,text="First Name",command=first,bg="light  
green",fg="purple",font=("arial",19,"bold")).place(x=70,y=170)
```

```
Button(window9,text="Last Name",command=last1,bg="light  
green",fg="purple",font=("arial",19,"bold")).place(x=400,y=170)
```

```
Button(window9,text="Age",command=age,bg="light  
green",fg="purple",font=("arial",19,"bold")).place(x=730,y=170)
```

```
Button(window9,text="Blood Group",command=blood1,bg="light  
green",fg="purple",font=("arial",19,"bold")).place(x=70,y=270)
```

```
Button(window9,text="Contact",command=contact,bg="light  
green",fg="purple",font=("arial",19,"bold")).place(x=410,y=270)
```

```
Button(window9,text="Gender",command=gender,bg="light  
green",fg="purple",font=("arial",19,"bold")).place(x=730,y=270)
```

```
Button(window9,text="Back",command=window9.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=410,y=370)
```

```
#-----
```

```
# module for first name-----
```

```
def firstr():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    name_info=name.get()
```

```
    id_info=id1.get()
```

```
    if (name_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window17)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```

cur.execute("update recipient set firstname= %s where rid= %s",(name_info,id_info))

mydb.commit()

mb.showinfo("Successful","Records Updated",parent=window17)


# first name-----

def first1():

    global window17

    window17= Toplevel(window)

    window17.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window17.configure(background="pink")

    window17.geometry("700x650")

    global id1

    global name

    id1=StringVar()

    name=StringVar()


    Label(window17,text="Enter your
ID",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=100)

    Entry(window17,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

    Label(window17,text="Enter the new first
name",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=150)

    Entry(window17,textvariable=name,font=("arial",19,"bold")).place(x=370,y=150)


    Button(window17,text="UPDATE",command=firstr,bg="orange",fg="blue",font=('arial',19,'bold')).pla
ce(x=80,y=250)


    Button(window17,text="Back",command=window17.destroy,bg="red",fg="white",font=("arial",19,"
bold")).place(x=270,y=250)

```

```
#module for last name-----
```

```
def lastr():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    name_info=name.get()
```

```
    id_info=id1.get()
```

```
    if (name_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window18)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        cur.execute("update recipient set lastname= %s where rid= %s",(name_info,id_info))
```

```
        mydb.commit()
```

```
        mb.showinfo("Successful","Records Updated",parent=window18)
```

```
# last name-----
```

```
def last2():
```

```
    global window18
```

```
    window18= Toplevel(window)
```

```
    window18.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window18.configure(background="pink")
```

```
    window18.geometry("700x650")
```

```
    global id1
```

```
    global name
```

```
    id1=StringVar()
```

```
    name=StringVar()
```

```

Label(window18,text="Enter your
ID",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=100)

Entry(window18,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

Label(window18,text="Enter the new last
name",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=150)

Entry(window18,textvariable=name,font=("arial",19,"bold")).place(x=370,y=150)

Button(window18,text="UPDATE",command=lastr,bg="yellow",fg="brown",font=('arial',19,'bold')).pl
ace(x=80,y=250)

Button(window18,text="Back",command=window18.destroy,bg="red",fg="white",font=("arial",19,"
bold")).place(x=270,y=250)

# module for age-----

def ager():

    import mysql.connector as ms

    from tkinter import messagebox as mb

    age1_info=age1.get()

    id_info=id1.get()

    if (age1_info=="" or id_info==""):

        mb.showerror("Error","Both are required",parent=window19)

    else:

        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")

        cur=mydb.cursor()

        cur.execute("update recipient set age= %s where rid= %s",(age1_info,id_info))

        mydb.commit()

        mb.showinfo("Successful","Records Updated",parent=window19)

```

```

# age-----

def age2():

    global window19

    window19=Toplevel(window)

    window19.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window19.configure(background="pink")

    window19.geometry("700x600")

    global id1

    global age1

    id1=StringVar()

    age1=StringVar()


    Label(window19,text="Enter your
ID",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=100)

    Entry(window19,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

    Label(window19,text="Enter the new
age",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=150)

    Entry(window19,textvariable=age1,font=("arial",19,"bold")).place(x=310,y=150)

    Button(window19,text="UPDATE",command=ager,bg="magenta",fg="light
green",font=('arial',19,'bold')).place(x=80,y=250)


    Button(window19,text="Back",command=window19.destroy,bg="red",fg="white",font=("arial",19,"
bold")).place(x=270,y=250)


# module for blood group-----

def bloodr():

    import mysql.connector as ms

    from tkinter import messagebox as mb

```



```

blood2_info=blood2.get()

id_info=id1.get()

if (blood2_info=="" or id_info==""):

    mb.showerror("Error", "Both are required",parent=window20)

else:

    mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")

    cur=mydb.cursor()

    cur.execute("update recipient set bloodgroup= %s where rid= %s",(blood2_info,id_info))

    mydb.commit()

    mb.showinfo("Successful", "Records Updated",parent=window20)


# blood group-----

def blood2():

    global window20

    window20=Toplevel(window)

    window20.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window20.configure(background="pink")

    window20.geometry("700x600")

    global id1

    global blood2

    id1=StringVar()

    blood2=StringVar()


    Label(window20,text="Enter your
ID",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=100)

    Entry(window20,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

```

```
Label(window20,text="Enter the new blood  
group",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=150)
```

```
Entry(window20,textvariable=blood2,font=("arial",19,"bold")).place(x=390,y=150)
```

```
Button(window20,text="UPDATE",command=bloodr,bg="green",fg="yellow",font=('arial',19,'bold')).  
place(x=80,y=250)
```

```
Button(window20,text="Back",command=window20.destroy,bg="red",fg="white",font=("arial",19,"  
bold")).place(x=270,y=250)
```

```
# module for contact-----
```

```
def con3():
```

```
    import mysql.connector as ms
```

```
    from tkinter import messagebox as mb
```

```
    contact1_info=con1.get()
```

```
    id_info=id1.get()
```

```
    if (contact1_info=="" or id_info==""):
```

```
        mb.showerror("Error","Both are required",parent=window21)
```

```
    else:
```

```
        mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")
```

```
        cur=mydb.cursor()
```

```
        cur.execute("update recipient set contact= %s where rid= %s",(contact1_info,id_info))
```

```
        mydb.commit()
```

```
        mb.showinfo("Successful","Records Updated",parent=window21)
```

```
# contact-----
```

```
def contact2():
```

```
    global window21
```

```

window21=Toplevel(window)

window21.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

window21.configure(background="pink")

window21.geometry("700x600")

global id1

global con1

id1=StringVar()

con1=StringVar()

```

```

Label(window21,text="Enter your
ID",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=100)

```

```

Entry(window21,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

```

```

Label(window21,text="Enter the new
contact",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=150)

```

```

Entry(window21,textvariable=con1,font=("arial",19,"bold")).place(x=350,y=150)

```

```

Button(window21,text="UPDATE",command=con3,bg="orange",fg="blue",font=('arial',19,'bold')).place(x=80,y=250)

```

```

Button(window21,text="Back",command=window21.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=270,y=250)

```

```

# module for gender-----

```

```

def genderr():

```

```

    import mysql.connector as ms

```

```

    from tkinter import messagebox as mb

```

```

    gender1_info=gen1.get()

```

```

    id_info=id1.get()

```

```

if (gender1_info==" " or id_info==" "):

    mb.showerror("Error","Both are required",parent=window22)

else:

    mydb=ms.connect(host="localhost",user="root",passwd="anjali",database="phoenix")

    cur=mydb.cursor()

    cur.execute("update recipient set gender= %s where rid= %s",(gender1_info,id_info))

    mydb.commit()

    mb.showinfo("Successful","Records Updated",parent=window22)


# gender-----

def gender3():

    global window22

    window22=Toplevel(window)

    window22.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window22.configure(background="pink")

    window22.geometry("700x600")

    global id1

    global gen1

    id1=StringVar()

    gen1=StringVar()


    Label(window22,text="Enter your
ID",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=100)

    Entry(window22,textvariable=id1,font=("arial",19,"bold")).place(x=250,y=100)

    Label(window22,text="Enter the new
gender",bg="cyan",fg="purple",font=("arial",19,"bold")).place(x=60,y=150)

    Entry(window22,textvariable=gen1,font=("arial",19,"bold")).place(x=350,y=150)

    Button(window22,text="UPDATE",command=genderr,bg="light
green",fg="purple",font=('arial',19,'bold')).place(x=80,y=250)

```

```
Button(window22,text="Back",command=window22.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=270,y=250)
```

```
# update recipient details -----
```

```
def upd2():
```

```
    global window16
```

```
    window16=Toplevel(window)
```

```
    window16.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")
```

```
    window16.configure(background="sky blue")
```

```
    window16.geometry("1000x650")
```

```
    Label(window16,text="What do you want to update  
?",bg="blue",fg="white",font=("arial",19,"bold")).place(x=60,y=100)
```

```
    Button(window16,text="First  
Name",command=first1,bg="yellow",fg="green",font=("arial",19,"bold")).place(x=70,y=170)
```

```
    Button(window16,text="Last  
Name",command=last2,bg="yellow",fg="green",font=("arial",19,"bold")).place(x=400,y=170)
```

```
    Button(window16,text="Age",command=age2,bg="yellow",fg="green",font=("arial",19,"bold")).place(x=730,y=170)
```

```
    Button(window16,text="Blood  
Group",command=blood2,bg="yellow",fg="green",font=("arial",19,"bold")).place(x=70,y=270)
```

```
    Button(window16,text="Contact",command=contact2,bg="yellow",fg="green",font=("arial",19,"bold")).place(x=410,y=270)
```

```
    Button(window16,text="Gender",command=gender3,bg="yellow",fg="green",font=("arial",19,"bold")).place(x=730,y=270)
```

```
    Button(window16,text="Back",command=window16.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=410,y=370)
```

```

#for updating data -----

def update1():

    global window8

    window8 =Toplevel(window)

    window8.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window8.configure(background="pink")

    window8.geometry("700x500")


    Label(window8,text="Whose details do you want to update
?",fg="brown",font=("arial",19,"bold")).place(x=90,y=100)

    Button(window8,text="DONOR",command=upd,bg="sky
blue",fg="green",font=("arial",19,"bold")).place(x=100,y=150)

    Button(window8,text="RECIPIENT",command=upd2,bg="sky
blue",fg="green",font=("arial",19,"bold")).place(x=350,y=150)


    Button(window8,text="Back",command=window8.destroy,bg="red",fg="white",font=("arial",19,"bold")).place(x=250,y=250)

#=====

# GRAPH

# code for donor details-----

def graph2():

    import pandas as pd

    import mysql.connector as ms

    import matplotlib.pyplot as plt

    criteria=n.get()

    mydb=ms.connect(host='localhost',passwd='anjali',database='phoenix',user='root')

    cur=mydb.cursor()

    x=[0,1,2,3,4,5,6,7]

    y=[0,1,2,3,4]

```

```

agelist=[1,20,21,40,41,60,61,80,81,100]
agecount=[]
bloodgroupcount=[]
agegap=['1-20','21-40','41-60','61-80','81-100']
bloodgrouplist=['A+','A-','B+','B-','O+','O-','AB+','AB-']
if criteria=="On the basis of Age":
    for i in range(0,len(agelist),2):
        cur.execute("select count(age)from donor where age>=%s and age<=%s",(agelist[i],agelist[i+1]))
        myrecords=cur.fetchone()
        agecount.append(myrecords[0])
    plt.bar(y,agecount,color='red')
    plt.xticks(y,agegap)
    plt.show()
if criteria=="On the basis of Bloodgroup":
    for j in range(0,len(bloodgrouplist)):
        cur.execute('select count(bloodgroup)from donor where bloodgroup=%s',(bloodgrouplist[j],))
        myrecords=cur.fetchone()
        bloodgroupcount.append(myrecords[0])
    plt.bar(x,bloodgroupcount,color='green')
    plt.xticks(x,bloodgrouplist)
    plt.show()

#module for donor-----
def graph1():
    global window30
    window30=Toplevel(window)
    window30.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

```

```

window30.configure(background="sky blue")

window30.geometry("900x500")

global n

n=StringVar()

Label(window30,text="Select Graph
Criteria",font=('arial',24,'bold'),bg='white',fg='green').place(x=70,y=100)

choice=ttk.Combobox(window30,width=28,height=100,textvariable=n)

choice['value']=("On the basis of Age","On the basis of Bloodgroup")

choice.place(x=150,y=190)

choice.current(0)

Label(window30,text="Better understand with visual
element!!!",bg='yellow',fg='green',font=('arial',28,'bold')).place(x=0,y=0,relwidth=1)


Button(window30,text="Show Graph",command=graph2,bg='light
green',fg='purple',font=('arial',19,'bold')).place(x=150,y=280)

Button(window30,text="Back",command=window30.destroy,bg='red',fg='white',font=('arial',19,'bol
d')).place(x=390,y=280)

#code for recipient details-----

def graph4():

    import pandas as pd

    import mysql.connector as ms

    import matplotlib.pyplot as plt

    criteria=n.get()

    mydb=ms.connect(host='localhost',passwd='anjali',database='phoenix',user='root')

    cur=mydb.cursor()

    x=[0,1,2,3,4,5,6,7]

    y=[0,1,2,3,4]

```



```

agelist=[1,20,21,40,41,60,61,80,81,100]

agecount=[]

bloodgroupcount=[]

agegap=['1-20','21-40','41-60','61-80','81-100']

bloodgrouplist=['A+','A-','B+','B-','O+','O-','AB+','AB-']

if criteria=="On the basis of Age":

    for i in range(0,len(agelist),2):

        cur.execute("select count(age)from recipient where age>=%s and
age<=%s",(agelist[i],agelist[i+1]))

        myrecords=cur.fetchone()

        agecount.append(myrecords[0])

    plt.bar(y,agecount,color='cyan')

    plt.xticks(y,agegap)

    plt.show()

if criteria=="On the basis of Bloodgroup":

    for j in range(0,len(bloodgrouplist)):

        cur.execute('select count(bloodgroup)from recipient where
bloodgroup=%s',(bloodgrouplist[j],))

        myrecords=cur.fetchone()

        bloodgroupcount.append(myrecords[0])

    plt.bar(x,bloodgroupcount,color='magenta')

    plt.xticks(x,bloodgrouplist)

    plt.show()

# module for recipient-----

def graph3():

    global window32

    window32=Toplevel(window)

```

```

window32.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

window32.configure(background="sky blue")

window32.geometry("900x500")

global n

n=StringVar()

Label(window32,text="Select Graph
Criteria",font=('arial',24,'bold'),bg='white',fg='green').place(x=70,y=100)

choice=ttk.Combobox(window32,width=28,height=100,textvariable=n)

choice['value']=("On the basis of Age","On the basis of Bloodgroup")

choice.place(x=150,y=190)

choice.current(0)

Label(window32,text="Better understand with visual
element!!!",bg='yellow',fg='green',font=('arial',28,'bold')).place(x=0,y=0,relwidth=1)


Button(window32,text="Show Graph",command=graph4,bg='light
green',fg='purple',font=('arial',19,'bold')).place(x=150,y=280)

Button(window32,text="Back",command=window32.destroy,bg='red',fg='white',font=('arial',19,'bol
d')).place(x=390,y=280)


#For showing data graphically-----

def graph():

    global window31

    window31=Toplevel(window)

    window31.iconbitmap("C:\\Users\\Anjali\\Desktop\\A\\icon.ico")

    window31.configure(background="pink")

    window31.geometry("700x500")


    Label(window31,text="Whose details do you want to see graphically
?",fg="brown",font=("arial",19,"bold")).place(x=80,y=100)

```

```
Button(window31,text="DONOR",command=graph1,bg="sky  
blue",fg="green",font=("arial",19,"bold")).place(x=100,y=150)
```

```
Button(window31,text="RECIPIENT",command=graph3,bg="sky  
blue",fg="green",font=("arial",19,"bold")).place(x=350,y=150)
```

```
Button(window31,text="Back",command=window31.destroy,bg="red",fg="white",font=("arial",19,"  
bold")).place(x=250,y=250)
```

```
#=====
```

## MERITS

1. Records can be stored in a fast manner.
2. Records can be easily accessed.
3. Visual elements are present to understand the trends in a better way.
4. Details can be viewed on the basis of various criterias such as on the basis of age and blood group.
5. Records are saved permanently in the MySQL database.

## DEMERITS

1. It is not internet based. So, the system can work only on the admin computer.
2. Once, the details are deleted ,it is not possible to recover them.
3. Multiple Ids can not be updated at the same time.

# CONCLUSION

“BLOOD BANK MANAGEMENT SYSTEM” has been prepared to maintain records of donor and recipients efficiently. With this project, no. of people having rare bloodgroups can be found easily. This is helpful for the patients of blood cancer .

# BIBLIOGRAPHY

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