

Project - 1 (Using GUI)

Project - Survey

- ① A survey is defined as a research method used for collecting data from people anonymously for developing themselves.
- ② Surveys are very underrated nowadays they help improve your applications which are used on daily basis for your benefit.
- ③ In this project the survey interface has been covered using these widgets:
 - Label, Button, Radiobutton, Checkbutton, Entry, PhotoImage, messagebox.
 - In total (7) widgets has been covered.
 - Functions are defined properly for every command.
 - Values are fetched using get() function with specified variable type.
 - Images are placed for more eye-catching interface.

SOURCE CODE:

```
from tkinter import *

w1=Tk()

w1.title("Survey")

w1.geometry("400x300")

w1.config(bg="Gold")

#Functions

#Q1

def q1():

    global w2

    w2=Toplevel()

    w2.title("Question 1")

    w2.geometry("700x600")

    w2.config(bg="Gold")

    #Q

    Label(w2,text="Question:1",width=10,height=1,font="Arial",bg="Gold",fg="Orange Red").pack(side=TOP)

    Label(w2,text="How Old Are You?",bg="White",fg="Royal Blue",width=600,height=5,font="Calibri").pack(side=TOP)

    def back1():
```

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```
w2.withdraw()

w1.iconify()

w1.deiconify()

#A

image1=PhotoImage(file="16.gif")

sam1=image1.subsample(2,3)

L1=Label(w2,text="Image",image=sam1,bg="Gold")

L1.pack()

def sel1():

    messagebox.showinfo("Info","You Selected "+str(var1.get()))

    var1=StringVar(w2,value=0)

    Radiobutton(w2,text="Under

    16",font="Arial",bg="Gold",variable=var1,value="Under

    16",command=sel1).pack(anchor=N,padx=10,pady=10)

    Radiobutton(w2,text="16-20",font="Arial",bg="Gold",variable=var1,value="16-

    20",command=sel1).pack(anchor=N,padx=10,pady=10)

    Radiobutton(w2,text="21-30",font="Arial",bg="Gold",variable=var1,value="21-

    30",command=sel1).pack(anchor=N,padx=10,pady=10)

    Radiobutton(w2,text="30+",font="Arial",bg="Gold",variable=var1,value="30+",co

    mmand=sel1).pack(anchor=N,padx=10,pady=10)

    #l1=Label(w2,bg="Gold")

    #l1.pack()
```

```
Button(w2,text="PREVIOUS",bg="Gold",command=back1,relief=FLAT,font="Calibri").pack(side=LEFT,padx=40,pady=20)
```

```
Button(w2,text="NEXT>",bg="Gold",command=q2,relief=FLAT,font="Calibri").pack(side=RIGHT,padx=40,pady=20)
```

```
w1.withdraw()
w2.mainloop()
```

#Q2

```
def q2():
```

```
    global w3
```

```
    w3=Toplevel()
```

```
    w3.title("Question 2")
```

```
    w3.geometry("700x600")
```

```
    w3.config(bg="Gold")
```

#Q

```
Label(w3,text="Question:2",width=10,height=1,font="Arial",bg="Gold",fg="Orange Red").pack(side=TOP)
```

```
Label(w3,text="What Social Media Platform Do you Use The Most From These?",bg="White",fg="Royal Blue",width=600,height=5,font="Calibri").pack(side=TOP)
```

```
def back2():
```

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```
w3.withdraw()
```

```
w2.iconify()
```

```
w2.deiconify()
```

#A

```
image2=PhotoImage(file="socialmp.gif")
```

```
sam2=image2.subsample(2,2)
```

```
L2=Label(w3,text="Image",image=sam2,bg="Gold")
```

```
L2.pack()
```

```
global var2
```

```
var2=StringVar(w3,value=0)
```

```
def sel2():
```

```
    messagebox.showinfo("Info","You Use "+str(var2.get())+"The Most")
```

```
Radiobutton(w3,text="Facebook",font="Arial",variable=var2,value="Facebook",bg="Gold",command=sel2).pack(anchor=N,padx=10,pady=10)
```

```
Radiobutton(w3,text="Instagram",font="Arial",variable=var2,value="Instagram",bg="Gold",command=sel2).pack(anchor=N,padx=10,pady=10)
```

```
Radiobutton(w3,text="Twitter",font="Arial",variable=var2,value="Twitter",bg="Gold",command=sel2).pack(anchor=N,padx=10,pady=10)
```

```
Radiobutton(w3,text="Snapchat",font="Arial",variable=var2,value="Snapchat",bg="Gold",command=sel2).pack(anchor=N,padx=10,pady=10)
```

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```
Button(w3,text="<PREVIOUS",bg="Gold",command=back2,relief=FLAT,font="Calibri").pack(side=LEFT,padx=20,pady=20)
```

```
Button(w3,text="NEXT>",bg="Gold",command=q3,relief=FLAT,font="Calibri").pack(side=RIGHT,padx=20,pady=20)
```

```
w2.withdraw()
```

```
w3.mainloop()
```

#Q3

```
def q3():
```

```
    global w4
```

```
    w4=Toplevel()
```

```
    w4.title("Question 3")
```

```
    w4.geometry("700x500")
```

```
    w4.config(bg="Gold")
```

```
    #Q
```

```
Label(w4,text="Question:3",width=10,height=1,font="Arial",bg="Gold",fg="Orange Red").pack(side=TOP)
```

```
Label(w4,text="Personally,What Do You Think The Positives And Negatives Are Of Social Media?",font="Calibri",bg="White",fg="Royal Blue",width=600,height=5).pack(side=TOP)
```

```
def back3():
```

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```
w4.withdraw()
```

```
w3.iconify()
```

```
w3.deiconify()
```

```
#A
```

```
image3=PhotoImage(file="goodbad.gif")
```

```
sam3=image3.subsample(3,3)
```

```
L3=Label(w4,text="Image",image=sam3,bg="Gold")
```

```
L3.pack()
```

```
def get():
```

```
    messagebox.showinfo("Info","You Think That "+E1.get())
```

```
global E1
```

```
E1=Entry(w4,width=50)
```

```
E1.pack(padx=20,pady=20)
```

```
Button(w4,text="OK",bg="Gold",command=get,relief=FLAT,font="Calibri").pack()
```

```
Button(w4,text="<PREVIOUS",bg="Gold",command=back3,relief=FLAT,font="Calibri").pack(side=LEFT,padx=20,pady=20)
```

```
Button(w4,text="NEXT>",bg="Gold",command=q4,relief=FLAT,font="Calibri").pack(side=RIGHT,padx=20,pady=20)
```

```
w3.withdraw()
```

```
w4.mainloop()
```

#Q4

```
def q4():
```

```
    global w5
```

```
    w5=Toplevel()
```

```
    w5.title("Question 4")
```

```
    w5.geometry("700x500")
```

```
    w5.config(bg="Gold")
```

```
    #Q
```

```
    Label(w5,text="Question:4",width=10,height=1,font="Arial",bg="Gold",fg="Orange Red").pack(side=TOP)
```

```
    Label(w5,text="Do You Recognize This Social Media Platform?",font="Calibri",bg="White",fg="Royal Blue",width=600,height=5).pack(side=TOP)
```

```
    def back4():
```

```
        w5.withdraw()
```

```
        w4.iconify()
```

```
        w4.deiconify()
```

```
    #A
```

```
    image4=PhotoImage(file="telegram.gif")
```

```
    sam4=image4.subsample(2,2)
```

```
    L4=Label(w5,text="Image",image=sam4,bg="Gold")
```

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```
)
```

```
L4.pack(side=TOP)
```

```
global var3
```

```
var3=StringVar(w5,value=0)
```

```
def sel3():
```

```
    messagebox.showinfo("Info","You Selected "+str(var3.get()))
```

```
Radiobutton(w5,text="YES",font="Arial",variable=var3,value="YES",bg="Gold",command=sel3).pack(anchor=W,padx=10,pady=10)
```

```
Radiobutton(w5,text="NO",font="Arial",variable=var3,value="NO",bg="Gold",command=sel3).pack(anchor=W,padx=10,pady=10)
```

```
Button(w5,text="PREVIOUS",bg="Gold",command=back4,relief=FLAT,font="Calibri").pack(side=LEFT,padx=20,pady=20)
```

```
Button(w5,text="NEXT>",bg="Gold",command=q5,relief=FLAT,font="Calibri").pack(side=RIGHT,padx=20,pady=20)
```

```
w4.withdraw()
```

```
w5.mainloop()
```

```
#Q5
```

```
def q5():
```

```
    global w6
```

```

w6=Toplevel()
w6.title("Question 5")
w6.geometry("700x600")
w6.config(bg="Gold")

#Q

Label(w6,text="Question:5",width=10,height=1,font="Arial",bg="Gold",fg="Orange Red").pack(side=TOP)

Label(w6,text="Why Do You Use Social Media,For?",bg="White",fg="Royal Blue",width=600,height=5,font="Calibri").pack(side=TOP)

def back5():
    w6.withdraw()
    w5.iconify()
    w5.deiconify()

#A

image5=PhotoImage(file="use.gif")
sam5=image5.subsample(3,3)
L5=Label(w6,text="Image",image=sam5,bg="Gold")
L5.pack()

global var1
cvar1=StringVar(w6,value="")

global var2
cvar2=StringVar(w6,value="")

```

```

global var3
cvar3=StringVar(w6,value="")

global var4
cvar4=StringVar(w6,value="")

def sel4():
    messagebox.showinfo("Info","You Use Social Media For " + str(cvar1.get()) + str(cvar2.get()) + str(cvar3.get()) + str(cvar4.get()))

    Checkbutton(w6,text="Being In Touch With Friends And Family",font="Arial",variable=cvar1,onvalue="Being In Touch With Friends And Family",offvalue=0,bg="Gold").pack(anchor=N,padx=10,pady=10)

    Checkbutton(w6,text="Buying And Selling",font="Arial",onvalue="Buying And Selling",bg="Gold",variable=cvar2,offvalue=0).pack(anchor=N,padx=10,pady=10)

    Checkbutton(w6,text="News",font="Arial",onvalue="News",bg="Gold",variable=cvar3,offvalue=0).pack(anchor=N,padx=10,pady=10)

    Checkbutton(w6,text="Browsing/Wasting Time",font="Arial",variable=cvar4,onvalue="Browsing/Wasting Time",offvalue=0,bg="Gold").pack(anchor=N,padx=10,pady=10)

    Button(w6,text="OK",bg="Gold",command=sel4,relief=FLAT,font="Calibri").pack()

    Button(w6,text="PREVIOUS",bg="Gold",command=back5,relief=FLAT,font="Calibri").pack(side=LEFT,padx=20,pady=20)

    Button(w6,text="NEXT>",bg="Gold",command=final,relief=FLAT,font="Calibri").pack(side=RIGHT,padx=20,pady=20)

```

```

w5.withdraw()
w6.mainloop()
#ThankYouWindow
def final():
    global w7
    w7=Toplevel()
    w7.title("Thank You!")
    w7.geometry("700x550")
    w7.config(bg="Gold")
    image6=PhotoImage(file="thanku.gif")
    sam6=image6.subsample(2,3)
    L6=Label(w7,text="Image",image=sam6,bg="Gold")
    L6.pack()
    Label(w7,text="",bg="Gold",width=600,height=2,font="Arial").pack(side=TOP)
    Label(w7,text="THANK
YOU!",bg="Gold",fg="Blue",width=600,height=1,font="Verdana").pack(side=TOP)
    Label(w7,text="",bg="White",width=700,height=1).pack()
    Label(w7,text="We Are Very Appreciative Of The Time You Have Taken To
Complete The
Survey!!",bg="Gold",fg="Green",width=600,height=2,font="Arial").pack(side=TOP
)
    def btm():
        w7.withdraw()

```

```

w1.iconify()
w1.deiconify()
Label(w7,text="",bg="White",width=700,height=1).pack()
Button(w7,text="BACK TO
MAIN",command=btm,bg="Gold",width=30,height=2,font="Calibri",relief=FLAT).pa
ck(padx=10,pady=25)
Label(w7,text="",bg="White",width=700,height=1).pack()
Label(w7,text="SURVEY SYSTEMS
RESERVED",bg="Gold",fg="Blue").pack(anchor=SE,padx=10,pady=25)
w6.withdraw()
w7.mainloop()
#endsession
def finish():
    quit()

#Mainwindow
Label(w1,text="SURVEY MONKEYS",bg="Gold",fg="Royal
Blue",width=600,height=2,font="Arial").pack(side=TOP)
Label(w1,text="",bg="White",width=600,height=1).pack()
Button(w1,text="START
SURVEY",command=q1,bg="Gold",width=600,height=1,font="Calibri",relief=FLAT)
.pack(padx=10,pady=10)
Label(w1,text="",bg="White",width=600,height=1).pack()

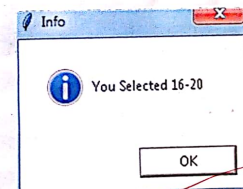
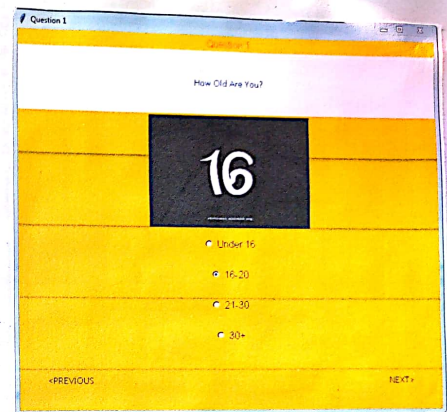
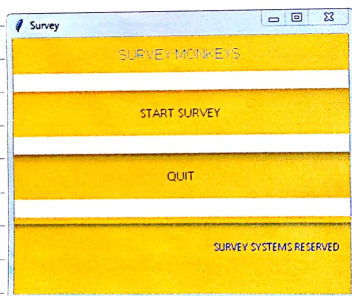
```

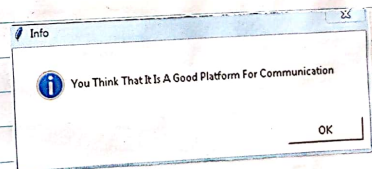
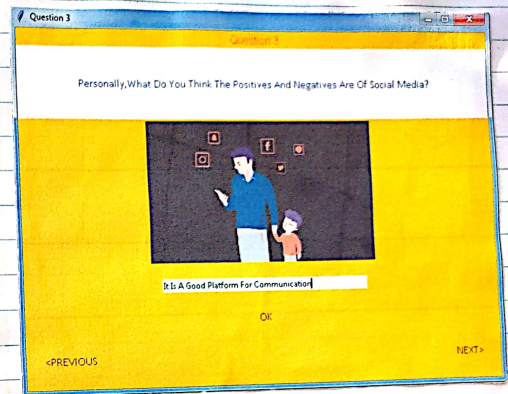
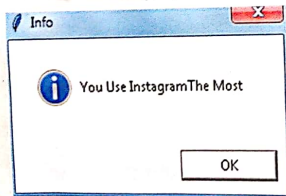
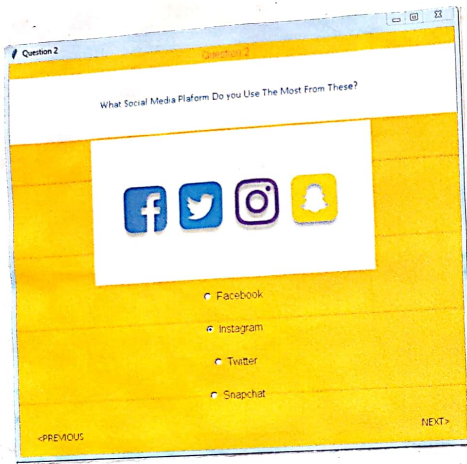
```

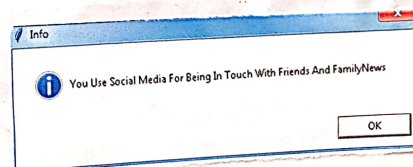
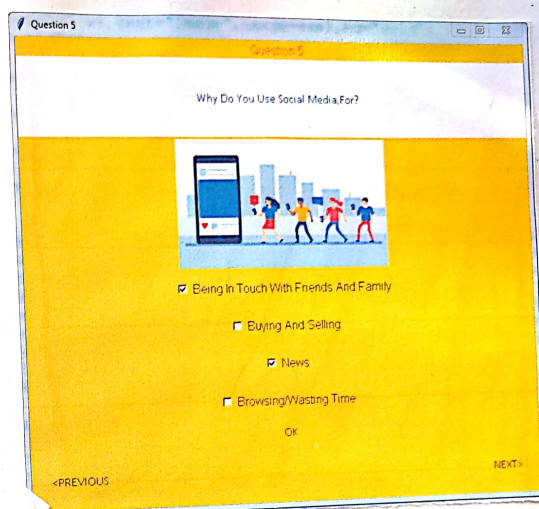
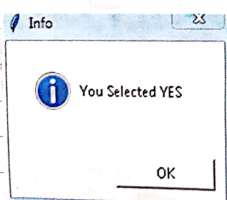
Button(w1,text="QUIT",command=finish,width=600,bg="Gold",height=1,font="Ca
libri",relief=FLAT).pack(padx=10,pady=10)
Label(w1,text="",bg="White",width=600,height=1).pack()
Label(w1,text="SURVEY SYSTEMS
RESERVED",bg="Gold",fg="blue").pack(anchor=SE,padx=10,pady=25)
w1.mainloop()

```

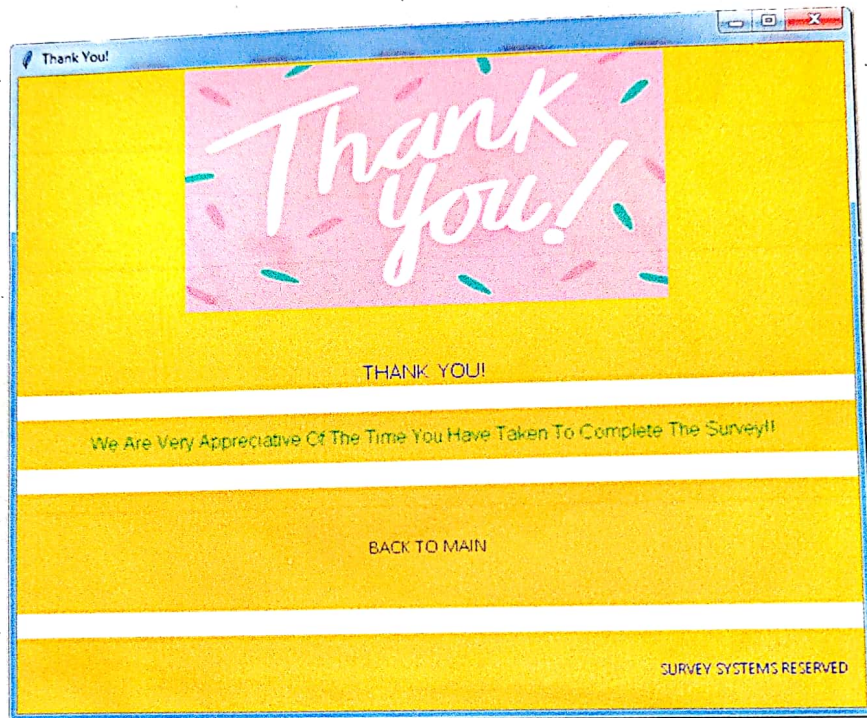
OUTPUT:







1313



Good Day
5/15