Experiment No 5:

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Class: SE-B	Batch: B4
Date of Submission: 27/04/2021	Grade:

- **Aim:-**

To implement GUI with python containing widgets such as labels, textbox, radio, checkboxes and custom dialog boxes.

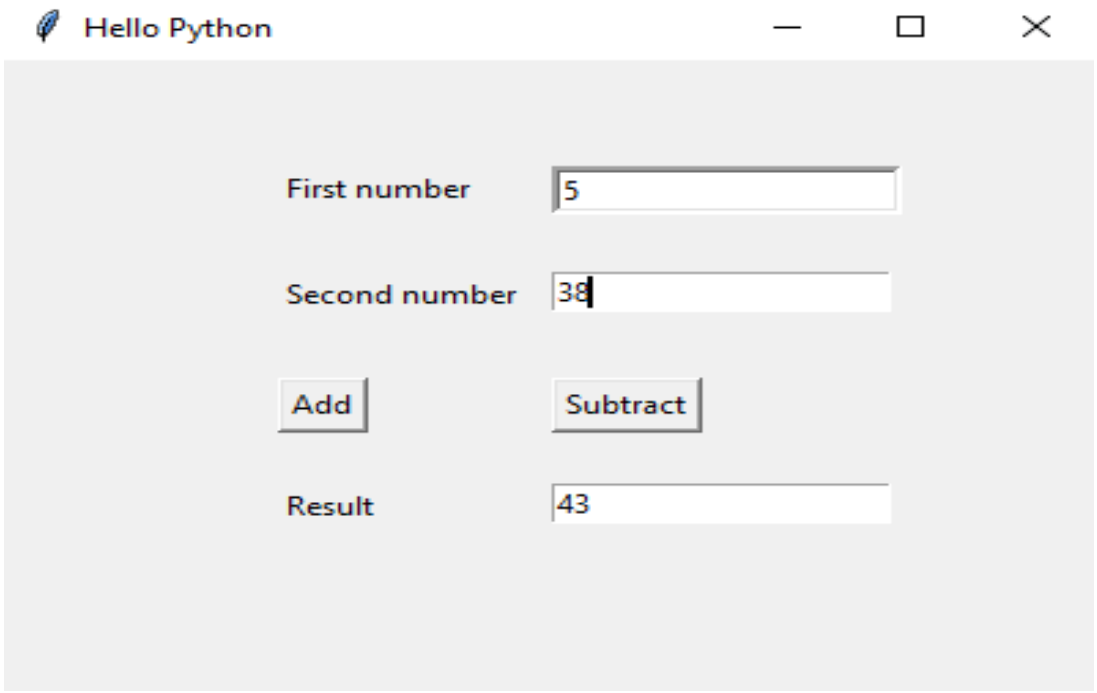
- **Program Code:-**

```
from tkinter import *

class MyWindow:

    def __init__(self, win):

        self.lbl1=Label(win, text='First number')

        self.lbl2=Label(win, text='Second number')

        self.lbl3=Label(win, text='Result')

        self.t1=Entry(bd=3)

        self.t2=Entry()

        self.t3=Entry()

        self.btn1 = Button(win, text='Add')

        self.btn2=Button(win, text='Subtract')

        self.lbl1.place(x=100, y=50)

        self.t1.place(x=200, y=50)
```

```
        self.lbl2.place(x=100, y=100)
            self.t2.place(x=200, y=100)
        self.b1=Button(win, text='Add', command=self.add)
        self.b2=Button(win, text='Subtract')
        self.b2.bind('<Button-1>', self.sub)
        self.b1.place(x=100, y=150)
        self.b2.place(x=200, y=150)
        self.lbl3.place(x=100, y=200)
        self.t3.place(x=200, y=200)
            def add(self):
        self.t3.delete(0, 'end')
        num1=int(self.t1.get())
        num2=int(self.t2.get())
        result=num1+num2
        self.t3.insert(END, str(result))
            def sub(self, event):
        self.t3.delete(0, 'end')
        num1=int(self.t1.get())
        num2=int(self.t2.get())
        result=num1-num2
        self.t3.insert(END, str(result))

window=Tk()
mywin=MyWindow(window)
```

```
window.title('Hello Python')

window.geometry("400x300+10+10")

window.mainloop()
```

- **Output :-**

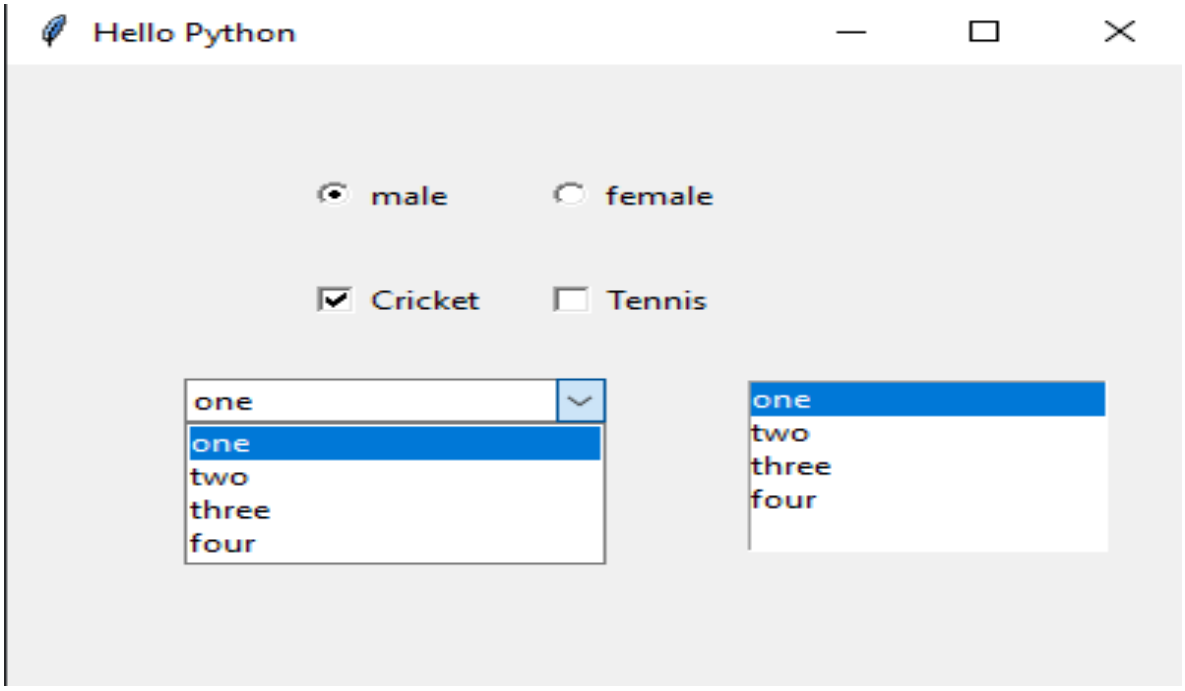


- **Program Code 2:-**

```
from tkinter import *
from tkinter.ttk import Combobox
window=Tk()
var = StringVar()
var.set("one")
data=("one", "two", "three", "four")
cb=Combobox(window, values=data)
cb.place(x=60, y=150)

lb=Listbox(window, height=5, selectmode='multiple')
for num in data:
        lb.insert(END,num)
lb.place(x=250, y=150)

v0=IntVar()
v0.set(1)
r1=Radiobutton(window, text="male", variable=v0,value=1)
r2=Radiobutton(window, text="female", variable=v0,value=2)
r1.place(x=100,y=50)
r2.place(x=180, y=50)
v1 = IntVar()
v2 = IntVar()
```

```
C1 = Checkbutton(window, text = "Cricket", variable = v1)

C2 = Checkbutton(window, text = "Tennis", variable = v2)

C1.place(x=100, y=100)

C2.place(x=180, y=100)

window.title('Hello Python')

window.geometry("400x300+10+10")

window.mainloop()
```

- **Output :-**



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