

```
from tkinter import *
```

```
root = Tk()
root.geometry("444x500")
root.title("calculator")
```

```
def click(event):
    global scvalue
    text = event.widget.cget("text")
    if text == "=":
        if scvalue.get().isdigit():
            value = int(scvalue.get())
        else:
            value = eval(screen.get())
        scvalue.set(value)
        screen.update()
    elif text == "C":
        scvalue.set(" ")
        screen.update()
    else:
        scvalue.set(scvalue.get()+text)
        screen.update()
```

```
scvalue = StringVar()
scvalue.set(" ")
screen = Entry(root,textvar = scvalue,font = "lucida 40 bold")
screen.pack(fill = X)
```

```
f = Frame(root, bg = "yellow")
```

```
b1 = Button(f,text = "9",font = "lucida 35 bold")
b1.pack(side = LEFT,padx = 12,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "8",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 12,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "7",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 12,pady = 18)
b1.bind("<Button-1>",click)
f.pack()
```

```
f = Frame(root, bg = "yellow")

b1 = Button(f,text = "6",font = "lucida 35 bold")
b1.pack(side = LEFT,padx = 12,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "5",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 12,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "4",font = "lucida 35 bold")
b1.bind("<Button-1>",click)
b1.pack(side = LEFT , padx = 12,pady = 18)
b1.bind("<Button-1>",click)
f.pack()
```

```
f = Frame(root, bg = "yellow")

b1 = Button(f,text = "3",font = "lucida 35 bold")
b1.pack(side = LEFT,padx = 12,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "2",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 12,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "1",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 12,pady = 18)
b1.bind("<Button-1>",click)
f.pack()
```

```
f = Frame(root, bg = "yellow")

b1 = Button(f,text = "+",font = "lucida 35 bold")
b1.pack(side = LEFT,padx = 20,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "-",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 25,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "*",font = "lucida 35 bold")
b1.bind("<Button-1>",click)
```

```
b1.pack(side = LEFT , padx = 20,pady = 18)
b1.bind("<Button-1>",click)
```

```
f.pack()
```

```
f = Frame(root, bg = "yellow")
```

```
b1 = Button(f,text = "C",font = "lucida 35 bold")
b1.pack(side = LEFT,padx = 8,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "0",font = "lucida 35 bold")
b1.pack(side = LEFT , padx = 16,pady = 18)
b1.bind("<Button-1>",click)
b1 = Button(f,text = "=",font = "lucida 35 bold")
b1.bind("<Button-1>",click)
b1.pack(side = LEFT , padx = 8,pady = 18)
b1.bind("<Button-1>",click)
```

```
f.pack()
```

```
root.mainloop()
```