Mini Project – Calculator

File   Edit   Format   Run   Options   Window   Help

```python
from tkinter import*
def click(event):
        global scvalue
        text=event.widget.cget("text")
        print(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()

root= Tk()
root.geometry("644x900")
root.title("Calculator By Neelofar")

scvalue=StringVar()
scvalue.set("")
screen=Entry(root,textvar=scvalue,font="lucida 40 bold")
screen.pack(fill=X,ipadx=8,pady=10,padx=10)
p=PhotoImage(file='Cal.png')
root.iconphoto(False,p)

f=Frame(root,bg="grey")
b=Button(f,text="9",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="8",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="7",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)
f.pack()

f=Frame(root,bg="grey")
b=Button(f,text="6",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
```

```python
b=Button(f,text="6",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="5",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="4",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)
f.pack()

f=Frame(root,bg="grey")
b=Button(f,text="3",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="2",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="1",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)
f.pack()

f=Frame(root,bg="grey")
b=Button(f,text="0",padx=12,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="-",padx=12,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="*",padx=12,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)
f.pack()

f=Frame(root,bg="grey")
b=Button(f,text="/",padx=10,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="%",padx=9,pady=10,font="lucida 30 bold")
```

```python
b=Button(f,text="%",padx=9,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="=",padx=9,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)
f.pack()

f=Frame(root,bg="grey")
b=Button(f,text="C",padx=9,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text="+",padx=9,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)

b=Button(f,text=".",padx=11,pady=10,font="lucida 30 bold")
b.pack(side=LEFT,padx=5,pady=5)
b.bind("<Button-1>",click)
f.pack()
root.mainloop()
```

```
Python 3.11.1 (tags/v3.11.1:a7a450f, Dec  6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\neelo\OneDrive\Desktop\HDLC_Internship\MiniProjectCalculator.py
9
.
1
+
0
.
2
=
=
C
4
%
2
=
4
C
4
%
2
=
C
4
/
2
=
C
2
*
4
=
C
5
-
6
=
C
5
-
7
=
```

9.1+0.2

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

9.2999999999999999

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

4%2

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

Calculator By Neelofar

0

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

4/2

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

2.0

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

2*4

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

Calculator By Neelofar

8

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

5-7

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.

-2

9	8	7
6	5	4
3	2	1
0	-	*
/	%	=
C	+	.