

In [1]: 1 **import** tkinter **as** tk

In [2]: 1 **import** tkinter.messagebox
2 **from** tkinter.constants **import** SUNKEN

In [3]:

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1 window = tk.Tk()
2 window.title('Calculator')
3 frame = tk.Frame(master=window, bg="", padx=10)
4 frame.pack()
5 entry = tk.Entry(master=frame, relief=SUNKEN, borderwidth=3, width=30)
6 entry.grid(row=0, column=0, columnspan=3, ipady=2, pady=2)
7 def myclick(number):
8     entry.insert(tk.END, number)
9 def equal():
10     try:
11         y = str(eval(entry.get()))
12         entry.delete(0, tk.END)
13         entry.insert(0, y)
14     except:
15         tkinter.messagebox.showinfo("Error", "Syntax Error")
16 def clear():
17     entry.delete(0, tk.END)
18 button_1 = tk.Button(master=frame, text='1', padx=15,
19                      pady=1, width=3, command=lambda: myclick(1))
20 button_1.grid(row=4, column=0, pady=2)
21 button_2 = tk.Button(master=frame, text='2', padx=15,
22                      pady=1, width=3, command=lambda: myclick(2))
23 button_2.grid(row=4, column=1, pady=2)
24 button_3 = tk.Button(master=frame, text='3', padx=15,
25                      pady=1, width=3, command=lambda: myclick(3))
26 button_3.grid(row=4, column=2, pady=2)
27 button_4 = tk.Button(master=frame, text='4', padx=15,
28                      pady=1, width=3, command=lambda: myclick(4))
29 button_4.grid(row=3, column=0, pady=2)
30 button_5 = tk.Button(master=frame, text='5', padx=15,
31                      pady=1, width=3, command=lambda: myclick(5))
32 button_5.grid(row=3, column=1, pady=2)
33 button_6 = tk.Button(master=frame, text='6', padx=15,
34                      pady=1, width=3, command=lambda: myclick(6))
35 button_6.grid(row=3, column=2, pady=2)
36 button_7 = tk.Button(master=frame, text='7', padx=15,
37                      pady=1, width=3, command=lambda: myclick(7))
38 button_7.grid(row=2, column=0, pady=2)
39 button_8 = tk.Button(master=frame, text='8', padx=15,
40                      pady=1, width=3, command=lambda: myclick(8))
41 button_8.grid(row=2, column=1, pady=2)
42 button_9 = tk.Button(master=frame, text='9', padx=15,
43                      pady=1, width=3, command=lambda: myclick(9))
44 button_9.grid(row=2, column=2, pady=2)
45 button_0 = tk.Button(master=frame, text='0', padx=15,
46                      pady=1, width=3, command=lambda: myclick(0))
47 button_0.grid(row=5, column=1, pady=2)
48 button_add = tk.Button(master=frame, text="+", padx=15,
49                        pady=1, width=3, command=lambda: myclick('+'))
50 button_add.grid(row=4, column=3, pady=2)
51 button_subtract = tk.Button(
52     master=frame, text="-", padx=15, pady=1, width=3, command=lambda: n
53 button_subtract.grid(row=3, column=3, pady=2)
54 button_multiply = tk.Button(
55     master=frame, text="*", padx=15, pady=1, width=3, command=lambda: n
56 button_multiply.grid(row=2, column=3, pady=2)
57 button_div = tk.Button(master=frame, text="/", padx=15,
58                       pady=1, width=3, command=lambda: myclick('/'))
59 button_div.grid(row=1, column=3, pady=2)
60 button_clear = tk.Button(master=frame, text="AC",
61                          padx=15, pady=1, width=3, command=clear)

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62 button_clear.grid(row=1, column=0, pady=2)
63 button_equal = tk.Button(master=frame, text "=", padx=15,
64                           pady=1, width=3, command=equal)
65 button_equal.grid(row=5, column=3, pady=2)
66 button_point=tk.Button(
67     master=frame,text=".",padx=15,pady=1,width=3,command=lambda: myclick
68 button_point.grid(row=5, column=2, pady=2)
69 button_percentage=tk.Button(
70     master=frame,text="%",padx=15,pady=1,width=3,command=lambda: myclick
71 button_percentage.grid(row=1,column=2,pady=2)
72 def undo():
73     current_text = entry.get()
74     updated_text = current_text[:-1]
75     entry.delete(0, tk.END)
76     entry.insert(0, updated_text)
77 button_undo = tk.Button(master=frame, text "<-", padx=15,
78                         pady=1, width=3, command=undo)
79 button_undo.grid(row=1, column=1, pady=2)
80
81 window.mainloop()
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