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from tkinter import *
import tkinter.messagebox
import math

top = Tk()
top.geometry("250x200")
top.title("Calculator")

# press number into textbox*****
exp = " "
def press(num):
    global exp
    exp += str(num)
    equation.set(exp)
# press equal button*****
def equalpress():
    try:
        global exp
        total = str(eval(exp))
        equation.set(total)
        exp = " "
    except:
        equation.set('error')
        exp = " "
# press clear button*****
def clear():
    global exp
    exp = " "
    equation.set(" ")
# GUI*****
equation = StringVar()
txt = Entry(top, width=21, borderwidth=5,
textvariable=equation, justify='right', font=("italic", 12)).place(
x=10, y=5)

Button(top,
text="c", width=5, bg="pink", command=clear).place(x=10, y=38)

Button(top, text="(", width=5, command=lambda:

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press('(')).place(x=60, y=38)
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Button(top, text=")",width=5, command=lambda:  
press(')')).place(x=110, y=38)
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```
Button(top, text="%", width=5, command=lambda:  
press('%')).place(x=160, y=38)
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Button(top, text="7",width=5, command=lambda:  
press(7)).place(x=10, y=65)
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Button(top, text="8", width=5,command=lambda:  
press(8)).place(x=60, y=65)
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```
Button(top, text="9",width=5, command=lambda:  
press(9)).place(x=110, y=65)
```

```
Button(top, text="*",width=5,command=lambda:  
press('*')).place(x=160, y=65)
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```
Button(top, text="4",width=5, command=lambda:  
press(4)).place(x=10, y=92)
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```
Button(top, text="5",width=5, command=lambda:  
press(5)).place(x=60, y=92)
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```
Button(top, text="6",width=5, command=lambda:  
press(6)).place(x=110, y=92)
```

```
Button(top, text="-",width=5, command=lambda:  
press('-')).place(x=160, y=92)
```

```
Button(top, text="1",width=5, command=lambda:  
press(1)).place(x=10, y=119)
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```
Button(top, text="2",width=5, command=lambda:  
press(2)).place(x=60, y=119)
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```
Button(top, text="3",width=5, command=lambda:
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```
press(3)).place(x=110, y=119)
```

```
Button(top, text="+",width=5, command=lambda:  
press('+')).place(x=160, y=119)
```

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Button(top, text="/", width=5,command=lambda:  
press('/')).place(x=10, y=146)
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```
Button(top, text="0",width=5, command=lambda:  
press(0)).place(x=60, y=146)
```

```
Button(top, text=".", width=5,command=lambda:  
press('.')').place(x=110, y=146)
```

```
Button(top, text "=",width=5, command=equalpress).place(x=160,  
y=146)
```

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top.mainloop()
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