Write a program which will make a scientific calculator.

Input:

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from tkinter import *
import math

root = Tk()
root.title('MY SCIENTIFIC CALCULATOR')
root.geometry('400x350')
root.resizable(0, 0)
text_input = StringVar()
operator = ""

e = Entry(root, width=30, borderwidth=15, textvariable=text_input)
e.pack()
e.insert(-1, 0)


def button_click(number):
    global operator
    e.delete(0, END)
    operator = operator + str(number)
    text_input.set(operator)


def equals():
    global operator
    sumup = str(eval(operator))
    text_input.set(sumup)
    operator = ''


def fact():
    fir = e.get()
    global f_num
    f_num = int(fir)
    e.delete(0, END)



def button_clear():
    global operator
    operator = ""
    text_input.set(operator)


def Del():
    global operator
    operator = text_input.get()
    operator = operator[:len(text_input.get()) - 1]
    text_input.set(operator)
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btn7 = Button(root, text='7', command=lambda: button_click(7), bd=9).place(x=0,
y=50, width=90, height=50)
btn8 = Button(root, text='8', command=lambda: button_click(8), bd=9).place(x=90,
y=50, width=90, height=50)
btn9 = Button(root, text='9', command=lambda: button_click(9), bd=9).place(x=180,
y=50, width=90, height=50)
btn4 = Button(root, text='4', command=lambda: button_click(4), bd=9).place(x=0,
y=100, width=90, height=50)
btn5 = Button(root, text='5', command=lambda: button_click(5), bd=9).place(x=90,
y=100, width=90, height=50)
btn6 = Button(root, text='6', command=lambda: button_click(6), bd=9).place(x=180,
y=100, width=90, height=50)
btn1 = Button(root, text='1', command=lambda: button_click(1), bd=9).place(x=0,
y=150, width=90, height=50)
btn2 = Button(root, text='2', command=lambda: button_click(2), bd=9).place(x=90,
y=150, width=90, height=50)
btn3 = Button(root, text='3', command=lambda: button_click(3), bd=9).place(x=180,
y=150, width=90, height=50)
btn0 = Button(root, text='0', command=lambda: button_click(0), bd=9).place(x=0,
y=200, width=230, height=50)
dot = Button(root, text='.', command=lambda: button_click('.'),
bd=9).place(x=230, y=200, width=40, height=50)
equal = Button(root, text='=', command=lambda: equals(), bd=9).place(x=0, y=250,
width=200, height=50)
plus = Button(root, text='+', command=lambda: button_click('+'),
bd=5).place(x=270, y=50, width=70, height=40)
minus = Button(root, text='-', command=lambda: button_click('-'),
bd=5).place(x=330, y=50, width=70, height=40)
multiply = Button(root, text='x', command=lambda: button_click('*'),
bd=5).place(x=270, y=90, width=70, height=40)
divide = Button(root, text='÷', command=lambda: button_click('/'),
bd=5).place(x=330, y=90, width=70, height=40)
brk = Button(root, text='(', command=lambda: button_click('('),
bd=5).place(x=270, y=130, width=70, height=40)
brk2 = Button(root, text=')', command=lambda: button_click(')'),
bd=5).place(x=330, y=130, width=70, height=40)
sine = Button(root, text='sin', command=lambda: button_click('sin('),
bd=5).place(x=270, y=170, width=70, height=40)
cosine = Button(root, text='cos', command=lambda: button_click('cos('),
bd=5).place(x=330, y=170, width=70, height=40)
tangent = Button(root, text='tan', command=lambda: button_click('tan('),
bd=5).place(x=270, y=210, width=65, height=40)
square = Button(root, text='²', command=lambda: button_click(')**2'),
bd=5).place(x=330, y=210, width=70, height=40)
squareROOT = Button(root, text='√', command=lambda: button_click(')**0.5'),
bd=5,).place(x=270, y=250, width=67,

height=50)
factor = Button(root, text='!', command=lambda: button_click('math.factorial('),
bd=5).place(x=330, y=250, width=70,
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height=50)
aC = Button(root, text='AC', command=lambda: button_clear(), bd=5).place(x=0,
y=300, width=140, height=50)
c = Button(root, text='C', command=lambda: Del(), bd=5).place(x=140, y=300,
width=67, height=50)
log = Button(root, text='log', command=lambda: button_click('math.log10('),
bd=3).place(x=207, y=300, width=67,

height=50)
ln = Button(root, text='ln', command=lambda: button_click('math.log('),
bd=5).place(x=274, y=300, width=67, height=50)
per = Button(root, text='%', command=lambda: button_click('*.001'),
bd=5).place(x=341, y=300, width=59, height=50)

root.mainloop()
```

Output: