from tkinter import Tk, Entry,Button,StringVar

class Calculator:

def \_\_init\_\_(self,master):

master.title("Calculator")

master.geometry('357x420+0+0')

master.config(bg='gray')

master.resizable(False,False)

self.equation=StringVar()

self.entry\_value=''

Entry(width=17,bg='grey',font=('Arial Bold',28),textvariable=self.equation).place(x=0,y=0)

Button(width=11,height=4,text='(',relief='flat',bg='white',command=lambda:self.show('(')).place(x=0,y=50)

Button(width=11,height=4,text=')',relief='flat',bg='white',command=lambda:self.show(')')).place(x=90,y=50)

Button(width=11,height=4,text='%',relief='flat',bg='white',command=lambda:self.show('%')).place(x=100,y=50)

Button(width=11,height=4,text='1',relief='flat',bg='white',command=lambda:self.show(1)).place(x=0,y=125)

Button(width=11,height=4,text='2',relief='flat',bg='white',command=lambda:self.show(2)).place(x=90,y=125)

Button(width=11,height=4,text='3',relief='flat',bg='white',command=lambda:self.show(3)).place(x=180,y=125)

Button(width=11,height=4,text='4',relief='flat',bg='white',command=lambda:self.show(4)).place(x=0,y=200)

Button(width=11,height=4,text='5',relief='flat',bg='white',command=lambda:self.show(5)).place(x=90,y=200)

Button(width=11,height=4,text='6',relief='flat',bg='white',command=lambda:self.show(6)).place(x=180,y=200)

Button(width=11,height=4,text='7',relief='flat',bg='white',command=lambda:self.show(7)).place(x=0,y=275)

Button(width=11,height=4,text='8',relief='flat',bg='white',command=lambda:self.show(8)).place(x=180,y=275)

Button(width=11,height=4,text='9',relief='flat',bg='white',command=lambda:self.show(9)).place(x=90,y=275)

Button(width=11,height=4,text='0',relief='flat',bg='white',command=lambda:self.show(0)).place(x=90,y=350)

Button(width=11,height=4,text='.',relief='flat',bg='white',command=lambda:self.show('.')).place(x=180,y=350)

Button(width=11,height=4,text='-',relief='flat',bg='white',command=lambda:self.show('-')).place(x=270,y=275)

Button(width=11,height=4,text='+',relief='flat',bg='white',command=lambda:self.show('+')).place(x=270,y=200)

Button(width=11,height=4,text='/',relief='flat',bg='white',command=lambda:self.show('/')).place(x=270,y=50)

Button(width=11,height=4,text='x',relief='flat',bg='white',command=lambda:self.show('\*')).place(x=270,y=125)

Button(width=11,height=4,text='=',relief='flat',bg='white',command=self.solve).place(x=270,y=350)

Button(width=11,height=4,text='C',relief='flat',command=self.clear).place(x=0,y=350)

def show(self,value):

self.entry\_value+=str(value)

self.equation.set(self.entry\_value)

def clear(self):

self.entry\_value=''

self.equation.set(self.entry\_value)

def solve(self):

result=eval(self.entry\_value)

self.equation.set(result)

root=Tk()

calculator=Calculator(root)

root.mainloop()