import tkinter as tk  
  
calculation=""  
  
def add\_to\_calculation (symbol):  
 global calculation  
 calculation+=str(symbol)  
 text\_result.delete(1.0,"end")  
 text\_result.insert(1.0,calculation)  
  
  
def evaluate\_calculation():  
 global calculation  
 try:  
 print(calculation)  
 result=str(eval(calculation))  
 calculation=""  
  
 text\_result.delete(1.0,"end")  
 text\_result.insert(1.0,result)  
 except:  
 clear\_faild()  
 text\_result.insert(1.0,"Error")  
  
  
  
  
def clear\_faild():  
 global calculation  
 calculation=""  
 text\_result.delete((1.0,"end"))  
 pass  
  
root =tk.Tk()  
root.geometry("300x275")  
text\_result=tk.Text(root,height=2,width=16,font=("Arial",24))  
text\_result.grid(columnspan=5)  
  
btn\_1=tk.Button(text="1",command=lambda:add\_to\_calculation(1),width=5,font=("Arial",14))  
btn\_1.grid(row=2,column=1)  
btn\_2=tk.Button(text="2",command=lambda:add\_to\_calculation(2),width=5,font=("Arial",14))  
btn\_2.grid(row=2,column=2)  
btn\_3=tk.Button(text="3",command=lambda:add\_to\_calculation(3),width=5,font=("Arial",14))  
btn\_3.grid(row=2,column=3)  
btn\_4=tk.Button(text="4",command=lambda:add\_to\_calculation(4),width=5,font=("Arial",14))  
btn\_4.grid(row=3,column=1)  
btn\_5=tk.Button(text="5",command=lambda:add\_to\_calculation(5),width=5,font=("Arial",14))  
btn\_5.grid(row=3,column=2)  
btn\_6=tk.Button(text="6",command=lambda:add\_to\_calculation(6),width=5,font=("Arial",14))  
btn\_6.grid(row=3,column=3)  
btn\_7=tk.Button(text="7",command=lambda:add\_to\_calculation(7),width=5,font=("Arial",14))  
btn\_7.grid(row=4,column=1)  
btn\_8=tk.Button(text="8",command=lambda:add\_to\_calculation(8),width=5,font=("Arial",14))  
btn\_8.grid(row=4,column=2)  
btn\_9=tk.Button(text="9",command=lambda:add\_to\_calculation(9),width=5,font=("Arial",14))  
btn\_9.grid(row=4,column=3)  
btn\_0=tk.Button(text="0",command=lambda:add\_to\_calculation(0),width=5,font=("Arial",14))  
btn\_0.grid(row=5,column=2)  
btn\_plus=tk.Button(text="+",command=lambda:add\_to\_calculation("+"),width=5,font=("Arial",14))  
btn\_plus.grid(row=2,column=4)  
btn\_minus=tk.Button(text="-",command=lambda:add\_to\_calculation("-"),width=5,font=("Arial",14))  
btn\_minus.grid(row=3,column=4)  
btn\_mul=tk.Button(text="\*",command=lambda:add\_to\_calculation("\*"),width=5,font=("Arial",14))  
btn\_mul.grid(row=4,column=4)  
btn\_div=tk.Button(text="/",command=lambda:add\_to\_calculation("/"),width=5,font=("Arial",14))  
btn\_div.grid(row=5,column=4)  
btn\_open=tk.Button(text="(",command=lambda:add\_to\_calculation("("),width=5,font=("Arial",14))  
btn\_open.grid(row=5,column=1)  
btn\_close=tk.Button(text=")",command=lambda:add\_to\_calculation(")"),width=5,font=("Arial",14))  
btn\_close.grid(row=5,column=3)  
btn\_clear=tk.Button(text="C",command=clear\_faild,width=11,font=("Arial",14))  
btn\_clear.grid(row=6,column=1,columnspan=2)  
btn\_equals=tk.Button(text="=",command=evaluate\_calculation,width=11,font=("Arial",14))  
btn\_equals.grid(row=6,column=3,columnspan=2)  
  
root.mainloop()