import tkinter as tk

def on\_button\_click(event):

current\_text = entry.get()

button\_text = event.widget.cget("text")

if button\_text == "=":

try:

result = eval(current\_text)

entry.delete(0, tk.END)

entry.insert(tk.END, str(result))

except Exception as e:

entry.delete(0, tk.END)

entry.insert(tk.END, "Error")

elif button\_text == "C":

entry.delete(0, tk.END)

else:

entry.insert(tk.END, button\_text)

# Create the main window

root = tk.Tk()

root.title("Calculator")

# Create an entry widget to display the calculations

entry = tk.Entry(root, font=("Helvetica", 20), justify="right")

entry.pack(padx=10, pady=10, fill=tk.BOTH, expand=True)

# Define the button layout

button\_texts = [

("7", "8", "9", "/"),

("4", "5", "6", "\*"),

("1", "2", "3", "-"),

("C", "0", "=", "+"),

]

# Create buttons and add them to the window

for row in button\_texts:

frame = tk.Frame(root)

frame.pack()

for button\_text in row:

button = tk.Button(frame, text=button\_text, font=("Helvetica", 20), padx=20, pady=10)

button.pack(side=tk.LEFT)

button.bind("<Button-1>", on\_button\_click)

# Start the main event loop

root.mainloop()