import tkinter as tk

def add(x, y):

return x + y

def subtract(x, y):

return x - y

def multiply(x, y):

return x \* y

def divide(x, y):

if y != 0:

return x / y

else:

return "Cannot divide by zero"

def on\_digit\_click(digit):

current\_text = entry\_var.get()

entry\_var.set(current\_text + str(digit))

def on\_operator\_click(operator):

current\_text = entry\_var.get()

entry\_var.set(current\_text + operator)

def on\_clear\_click():

entry\_var.set("")

def on\_equal\_click():

expression = entry\_var.get()

try:

result = eval(expression)

entry\_var.set(result)

except Exception as e:

entry\_var.set("Error")

# Create the main window

root = tk.Tk()

root.title("Simple Calculator")

# Entry widget to display the input and result

entry\_var = tk.StringVar()

entry = tk.Entry(root, textvariable=entry\_var, font=('Arial', 16), justify='right', bd=10)

entry.grid(row=0, column=0, columnspan=4)

# Buttons for digits

digits = "7894561230"

row\_val, col\_val = 1, 0

for digit in digits:

tk.Button(root, text=digit, command=lambda d=digit: on\_digit\_click(d), font=('Arial', 16)).grid(row=row\_val, column=col\_val, padx=5, pady=5)

col\_val += 1

if col\_val > 2:

col\_val = 0

row\_val += 1

# Buttons for operations

operations = "+-\*/"

row\_val, col\_val = 1, 3

for op in operations:

tk.Button(root, text=op, command=lambda o=op: on\_operator\_click(o), font=('Arial', 16)).grid(row=row\_val, column=col\_val, padx=5, pady=5)

row\_val += 1

# Special buttons (Clear and Equal)

tk.Button(root, text="C", command=on\_clear\_click, font=('Arial', 16), bg='orange').grid(row=row\_val, column=0, padx=5, pady=5)

tk.Button(root, text="=", command=on\_equal\_click, font=('Arial', 16), bg='orange').grid(row=row\_val, column=1, columnspan=2, padx=5, pady=5)

# Run the application

root.mainloop()