import tkinter as tk

# Function to perform arithmetic operations

def calculate():

try:

num1 = float(entry\_num1.get())

num2 = float(entry\_num2.get())

operation = operator\_var.get()

if operation == "+":

result.set(num1 + num2)

elif operation == "-":

result.set(num1 - num2)

elif operation == "\*":

result.set(num1 \* num2)

elif operation == "/":

if num2 == 0:

result.set("Error: Division by zero")

else:

result.set(num1 / num2)

except ValueError:

result.set("Invalid input")

# Create a tkinter window

window = tk.Tk()

window.title("Basic Calculator")

# Entry fields for numbers

entry\_num1 = tk.Entry(window)

entry\_num2 = tk.Entry(window)

entry\_num1.grid(row=0, column=0)

entry\_num2.grid(row=0, column=2)

# Operator selection

operator\_var = tk.StringVar()

operator\_var.set("+") # Default operator is addition

operator\_menu = tk.OptionMenu(window, operator\_var, "+", "-", "\*", "/")

operator\_menu.grid(row=0, column=1)

# Button to perform calculation

calculate\_button = tk.Button(window, text="Calculate", command=calculate)

calculate\_button.grid(row=1, column=0, columnspan=3)

# Result label

result = tk.StringVar()

result\_label = tk.Label(window, textvariable=result)

result\_label.grid(row=2, column=0, columnspan=3)

# Start the main GUI loop

window.mainloop()