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 "Error: Division by zero!"

return x / y

def calculator():

print("Simple CLI Calculator")

print("---------------------")

while True:

print("\nSelect operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

print("5. Exit")

choice = input("Enter choice (1-5): ")

if choice == '5':

print("Exiting calculator. Goodbye!")

break

if choice not in {'1', '2', '3', '4'}:

print("Invalid input. Please select a valid option.")

continue

try:

num1 = float(input("Enter first number: "))

num2 = float(input("Enter second number: "))

except ValueError:

print("Invalid input. Please enter numeric values.")

continue

if choice == '1':

result = add(num1, num2)

elif choice == '2':

result = subtract(num1, num2)

elif choice == '3':

result = multiply(num1, num2)

elif choice == '4':

result = divide(num1, num2)

print(f"Result: {result}")

if \_name\_ == "\_main\_":

calculator()