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 "Error: Division by zero"

def calculator():

print("Simple Calculator")

print("1. Addition")

print("2. Subtraction")

print("3. Multiplication")

print("4. Division")

choice = input("Enter operation choice (1/2/3/4): ")

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

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

if choice == "1":

result = add(num1, num2)

print(f"{num1} + {num2} = {result}")

elif choice == "2":

result = subtract(num1, num2)

print(f"{num1} - {num2} = {result}")

elif choice == "3":

result = multiply(num1, num2)

print(f"{num1} \* {num2} = {result}")

elif choice == "4":

result = divide(num1, num2)

if result == "Error: Division by zero":

print(result)

else:

print(f"{num1} / {num2} = {result}")

else:

print("Invalid choice")

calculator()