def calculator():

print("Welcome to the Simple Calculator!")

while True:

print("\nPlease select an operation:")

print("1. Addition (+)")

print("2. Subtraction (-)")

print("3. Multiplication (\*)")

print("4. Division (/)")

print("5. Modulus (%)")

print("6. Quit")

choice = input("Enter the operation number (1-6): ")

if choice == '6':

print("Thank you for using the calculator! Goodbye.")

break

if choice not in ['1', '2', '3', '4', '5']:

print("Invalid operation choice. Please try again.")

continue

try:

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

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

except ValueError:

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

continue

if choice == '1':

result = num1 + num2

operation = "+"

elif choice == '2':

result = num1 - num2

operation = "-"

elif choice == '3':

result = num1 \* num2

operation = "\*"

elif choice == '4':

if num2 == 0:

print("Error: Division by zero is not allowed.")

continue

result = num1 / num2

operation = "/"

elif choice == '5':

result = num1 % num2

operation = "%"

print(f"The result of {num1} {operation} {num2} = {result}")

calculator()