# This is a simple calculator program that performs basic arithmetic operations

def calculator():

# Ask for the first number

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

# Ask for the second number

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

# Display the menu of available operations

print("\nSelect the operation you want to perform:")

print("1. Addition")

print("2. Subtraction")

print("3. Multiplication")

print("4. Division")

# Ask for the user's choice of operation

choice = input("Enter the number corresponding to the operation (1/2/3/4): ")

# Perform the selected operation

if choice == '1':

result = num1 + num2

print(f"The result of addition is: {result}")

elif choice == '2':

result = num1 - num2

print(f"The result of subtraction is: {result}")

elif choice == '3':

result = num1 \* num2

print(f"The result of multiplication is: {result}")

elif choice == '4':

# Handle division by zero

if num2 == 0:

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

else:

result = num1 / num2

print(f"The result of division is: {result}")

else:

print("Invalid choice! Please select a valid operation (1/2/3/4).")

# Call the calculator function

calculator()