**Demonstrate the use of arithmetic operators in python.**

**Code**

# Define two numbers

a = float(input("Enter the 1st number"))

b = float(input("Enter the 2nd number"))

# Addition

addition = a + b

print("Addition: a + b =", addition)

# Subtraction

subtraction = a - b

print("Subtraction: a - b =", subtraction)

# Multiplication

multiplication = a \* b

print("Multiplication: a \* b =", multiplication)

# Division

division = a / b

print("Division: a / b =", division)

# Floor Division

floor\_division = a // b

print("Floor Division: a // b =", floor\_division)

# Modulus

modulus = a % b

print("Modulus: a % b =", modulus)

# Exponentiation

exponentiation = a \*\* b

print("Exponentiation: a \*\* b =", exponentiation)

**OUTPUT:**

