 # operators - Operators are special symbols or keywords that are used to perform operations on variables and values.

#types of operators:

1. Arithmetic Operators (basic math)

Addition +

Subtraction -

Multiplication \*

Division (float) /

Floor Division //

Modulus (remainder) %

Exponentiation(power) \*\*

num1 = 10

num2 = 10

answer = num1 + num2

print(answer)

# adding multiple numbers:

num1 = 10

num2 = 35

num3 = 45

num4 = 12

num5 = 40

print(num1+num2+num3+num4+num5)

#floor divsion :  it cuts off everything after the decimal

a =  10

b = 3

print(a//b)

# Exponentiation (power) : raise one number to the power of another

num1 = 2

num2 = 3

print(num1\*\*num2)

# Assign operators: this opertors are use to assinging the value

types of operators:

set value =

add and update +=

subtract and update -=

multiply and update \*=

modulus and update %=

floor division and update//=

 Exponentiation(power) \*\*=

a = 10

a += 5

print(a)

#comparison operators :  are use to compare the two values

Equal ==

Not equal !=

Greater than >

Less than <

Greater than or equal to >=

Less than or equal to <=

num1 = 10

num2 = 10

print(num1 <= num2)

#Logical Operators :    Returns True if both statements are true

**and** : Returns True **if** both statements are true

**or** : Returns True **if** one of the statements is true

**not** :  returns False **if** the result is true;

a = 10

b = 10

print( a>b **and** a<b)

x = 5

print(**not**(x > 3 and x < 10))