**OPERATORS:**

Operators in general are used to perform operations on values and variables.

**Types of Operators:**

1. [Arithmetic Operators](https://www.geeksforgeeks.org/python-arithmetic-operators/) (+, -, \*, /, %)
2. Assignment operators (=, +=, -=, \*=, /=, %=)
3. Comparison operators (==, !=, <=, >=)
4. Logical operators (and, or, not)
5. [**Arithmetic Operators**](https://www.geeksforgeeks.org/python-arithmetic-operators/)**:**

It used to perform basic mathematical operations like addition, subtraction, multiplication and division.

**Ex:**

a=5 **output:**

b=10 15

c=a+b -5

print(c) 50

c=a-b 0.5

print(c) 5

c=a\*b

print(c)

c=a/b

print(c)

c=a%b

print(c)

1. **Assignment Operators:**

It used to assign values to the variables.

**Ex:**

a = 20 **Output:**

print(a) 20

a += 20 40

print(a) 20

a -= 20 400

print(a) 419430400

a \*= 20

print(b)

a <<= 20

print(a)

1. **Comparison operators:**

In relational operator compares the values. It either returns True or False according to the condition.

**Ex:**

a=15 **Output:**

b=10 False

print(a == b) True

print(a != b) True

print(a >= b) False

print(a <= b)

1. **Logical Operators:**

It perform Logical AND, Logical OR andLogical NOT operations. It is used to combine conditional statements.

**Ex:**

a = True **Output:**

b = False False

print(a and b) True

print(a or b) False

print(not a)