Arithmetic, Comparison, Logical operators.

**Arithmetic**:

+

-

\*

/

% that means module.

\*\*

Comparison:

>, Bigger then

<, smoller then

==

!=

>=

<=

is

is not

Logical:

and (True and true is True, False and False is False, True and False is False, False and True is False)

or (True or True is True, False or False is False, True or False is True, False or True is True)

not (not True is False, not False is True)

Precedence of arithmetic operators:

1. \*\*
2. \*, /, %
3. +, -

Precedence of logical operators:

1. Not
2. And
3. Or

Precedence all operators:

1. Arithmetic
2. Comparison
3. logical

associativity of operators works on python. It means the operators will work from left to right. But only on Exponentiation python works from Right to Left. That is why 2 \*\* 3 \*\* 2 equals to 2 \*\* 9 that equals 512

read more:

<https://wiki.hsoub.com/Python/numeric_operations>

<https://wiki.hsoub.com/Python/comparisons>

<https://wiki.hsoub.com/Python/bool_operations>

x // y - Approximate product of X divided by Y

abs(x) - The absolute value or (magnitude) x

c.conjugate()‎- The associate number of the complex number c

[divmod(x, y)](https://wiki.hsoub.com/Python/divmod) - The two operations (x // y, x % y) together

[pow(x, y)](https://wiki.hsoub.com/Python/pow)‎ - Raise x to the power of y

not x - If x is false, the result is True, otherwise False.