

Python Operators

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ARITHMETIC OPERATORS

Python has built in assignment operators for several different types of operations, this section will show visual examples using tables of the basic operators most used in Python.

The following list shows a visual representation of the operators used perform mathematical operations.

OPERATOR	DESCRIPTION	EXAMPLE
+	addition	a + b
-	subtraction	a - b
*	multiplication	a * b
/	float division	a / b
**	exponent	a ** b
//	integer Division	a // b
%	modulus	a % b

ASSIGNMENT OPERATOR

The following is the operator that is used to assign values to variables.

OPERATOR	DESCRIPTION	EXAMPLE
=	equals	X = 5

COMPARISON OPERATOR

The following are the operators that are used to compare values to each other.

OPERATOR	DESCRIPTION	EXAMPLE
==	is equal to	X == y
!=	is not equal to	X != y
>	is greater than	X > y
<	is less than	X < y
>=	is greater than or equal to	X >= y
<=	is less than or equal to	X <= y

LOGICAL OPERATORS

Also known as Boolean operators are the operators that are used to combine conditional statements.

OPERATOR	DESCRIPTION	EXAMPLE
and	returns True if both statements are true	X < 5 and X < 10

or	returns True if one statement is true	$X < 5$ or $X < 4$
not	returns False if the result is true	Not($x < 5$ and $X < 10$)