

# Operators in Python

# Arithmatic Operators

Operator	Name	Example
+	Addition	$x + y$
-	Subtraction	$x - y$
*	Multiplication	$x * y$
/	Division	$x / y$
%	modulus	$x \% y$
//	Floor division	$x // y$

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power



# Comparison Operators

Operator	Name	Example
<code>==</code>	Equal	<code>x == y</code>
<code>!=</code>	Not equal	<code>x != y</code>
<code>&gt;</code>	Greater than	<code>x &gt; y</code>
<code>&gt;=</code>	Greater than or equal to	<code>x&gt;=y</code>
<code>&lt;=</code>	Less than or equal to	<code>x&lt;=y</code>
<code>&lt;</code>	less than	<code>x&lt;y</code>

# Logical Operators

Operator	Description	Example
and	Returns True if both statements are true	$x < 5$ and $x < 10$
or	Returns True if one of the statements is true	$x < 5$ or $x < 4$
not	Reverse the result	

# Identity Operators

Operator	Description	Example
is	Returns True if both variables are the same object	x is y
is not	Returns True if both variables are not the same object	x is not y



# Membership Operators

Operator	Description	Example
in	Returns True if a sequence with the specified value is present in the object	x in y
not in	Returns True if a sequence with the specified value is not present in the object	x not in y

