

The table below summarizes operator precedence in Python from highest priority (most binding) to lowest priority (least binding). Operators in the same box have the same precedence. Operators in the same box group from left to right (except for exponentiation, which is grouped from right to left).

Operator	Description
<code>(expressions...), [expressions...], {key: value...}, {expressions...}</code>	Binding or parenthesized expression, list display, dictionary display, set display
<code>x[index], x[index:index], x(arguments...), x.attribute</code>	Subscription, slicing, call, attribute reference
<code>**</code>	Exponentiation
<code>+x, -x, ~x</code>	Positive, negative, bitwise NOT
<code>*, @, /, //, %</code>	Multiplication, matrix multiplication, division, floor division, remainder
<code><u>in</u>, <u>not in</u>, <u>is</u>, <u>is not</u>, <, <=, >, >=, !=, ==</code>	Comparisons, including membership tests and identity tests
<code><u>not</u> x</code>	Boolean NOT
<code><u>and</u></code>	Boolean AND
<code><u>or</u></code>	Boolean OR
<code><u>if</u> - else</code>	Conditional expression
<code>=, :=</code>	Assignment expression