

## Precedence of Operator

In cases when more than one operator is present in a expression

eq. 6/2+3\*\*H = 6/5\*\*4%

To evaluate expression like above, we have precedance in all programming language.

## Precedence order in Python

Operators		
() Highest precedence		
**		
+x , -x, ~x		
*,/,//,%		
+, -		
<<,>>>		
&		
۸		
Is, is not, in, not in,		
<, <=, >, >=, ==, !=		
Not x		
And		
Or		
If else		
Lambda		
=, +=, -=, *=, /= Lowest		
Precedence		



Example

## Associativity of Operators

When 2 operators have same precedence by thon Jollows Associativity.

eq. 2\*\*3\*\*2

2009

Association is an order in which expression are evaluated.

For example, as multiplication and division have some precedence.
So if both of them are present in an expression, left one is evoluted first.

## Associativity in Python

Operators	Associativity
() Highest precedence	Left - Right
**	Right - Left
+x , -x, ~x	Left - Right
*, /, //, %	Left - Right
+, -	Left - Right
<<,>>>	Left - Right
&	Left - Right
٨	Left - Right
	Left - Right
Is, is not, in, not in,	Left - Right
<, <=, >, >=, ==, !=	
Not x	Left - Right
And	Left - Right
Or	Left - Right
If else	Left - Right
Lambda	Left - Right
=, +=, -=, *=, /= Lowest	Right - Left
Precedence	63

2 73 2

512

Let us solve some examples.

- 2\*\*3\*\*2 - 5\*2113 -

512 - 10//3