

Fun with Python Arithmetic

Python Arithmetic Operators

Various arithmetic operators in Python you practiced are summarised here.

Operator	Type	Explanation	Example
+	Binary	Addition operator	$a = 5 + 2$
-	Binary	Subtracts the two number	$a = 5 - 2$
*	Binary	Multiplication	$a = 5 * 2$
/	Binary	Division	$a = 5 / 2$ (will return float 3.5) $b = 4 / 2$ (will return integer 2)
//	Binary	Division and discards decimal places in result	$a = 5 // 2$ (will return integer 2) $b = 23 / 5$ (will return integer 4)
%	Binary	Modulus (pronounced: modulo returns remainder of the division)	$a = 3 \% 2$ (will return 1) $b = 4 \% 2$ (will return 0)
**	Binary	Exponentiation (to the power of)	$a = 5 ** 2$ (will return 25)

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Command	Explanation
$2 + 2$	Simple addition using + operator.
$43 - 7 * 9$	Simple arithmetic using subtraction and multiplication operators.
$(23 + 2 * 5) / 5$	Division using / operator.
$15 / 2$	This division will return float value that means number with decimal places.
$17 / 3$	Division with several decimal places.
$17 // 3$	Decimal places are suppressed using // instead of /.
$5 \% 2$	Remainder of division will be returned using modulus (pron: modulo) operator %.
$5 ** 2$	Calculating 5 to the power 2.
$2 ** 8$	Calculating 2 to the power 8.