

PYTHON ARITHMETIC OPERATORS EXAMPLE

http://www.tutorialspoint.com/python/arithmetric_operators_example.htm

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Assume variable a holds 10 and variable b holds 20, then

Operator	Description	Example
+ Addition	Adds values on either side of the operator.	$a + b = 30$
- Subtraction	Subtracts right hand operand from left hand operand.	$a - b = -10$
* Multiplication	Multiplies values on either side of the operator	$a * b = 200$
/ Division	Divides left hand operand by right hand operand	$b / a = 2$
% Modulus	Divides left hand operand by right hand operand and returns remainder	$b \% a = 0$
** Exponent	Performs exponential <i>power</i> calculation on operators	$a ** b = 10$ to the power 20
//	Floor Division - The division of operands where the result is the quotient in which the digits after the decimal point are removed.	$9 // 2 = 4$ and $9.0 // 2.0 = 4.0$

Example

Assume variable a holds 10 and variable b holds 20, then –

```
#!/usr/bin/python

a = 21
b = 10
c = 0

c = a + b
print "Line 1 - Value of c is ", c

c = a - b
print "Line 2 - Value of c is ", c

c = a * b
print "Line 3 - Value of c is ", c

c = a / b
print "Line 4 - Value of c is ", c

c = a % b
print "Line 5 - Value of c is ", c

a = 2
b = 3
c = a ** b
print "Line 6 - Value of c is ", c

a = 10
b = 5
c = a // b
```

```
print "Line 7 - Value of c is ", c
```

When you execute the above program, it produces the following result –

```
Line 1 - Value of c is 31  
Line 2 - Value of c is 11  
Line 3 - Value of c is 210  
Line 4 - Value of c is 2  
Line 5 - Value of c is 1  
Line 6 - Value of c is 8  
Line 7 - Value of c is 2
```

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