

<http://php.net/manual/en/language.operators.php>

Arithmetic Operators		
Example	Name	Result
<code>-\$a</code>	Negation	Opposite of <i>\$a</i> .
<code>\$a + \$b</code>	Addition	Sum of <i>\$a</i> and <i>\$b</i> .
<code>\$a - \$b</code>	Subtraction	Difference of <i>\$a</i> and <i>\$b</i> .
<code>\$a * \$b</code>	Multiplication	Product of <i>\$a</i> and <i>\$b</i> .
<code>\$a / \$b</code>	Division	Quotient of <i>\$a</i> and <i>\$b</i> .
<code>\$a % \$b</code>	Modulus	Remainder of <i>\$a</i> divided by <i>\$b</i> .
<code>\$a ** \$b</code>	Exponentiation	Result of raising <i>\$a</i> to the <i>\$b</i> 'th power. Introduced in PHP 5.6.

Comparison Operators		
Example	Name	Result
<code>\$a == \$b</code>	Equal	TRUE if <i>\$a</i> is equal to <i>\$b</i> after type juggling.
<code>\$a === \$b</code>	Identical	TRUE if <i>\$a</i> is equal to <i>\$b</i> , and they are of the same type.
<code>\$a != \$b</code>	Not equal	TRUE if <i>\$a</i> is not equal to <i>\$b</i> after type juggling.
<code>\$a <> \$b</code>	Not equal	TRUE if <i>\$a</i> is not equal to <i>\$b</i> after type juggling.
<code>\$a !== \$b</code>	Not identical	TRUE if <i>\$a</i> is not equal to <i>\$b</i> , or they are not of the same type.
<code>\$a < \$b</code>	Less than	TRUE if <i>\$a</i> is strictly less than <i>\$b</i> .
<code>\$a > \$b</code>	Greater than	TRUE if <i>\$a</i> is strictly greater than <i>\$b</i> .
<code>\$a <= \$b</code>	Less than or equal to	TRUE if <i>\$a</i> is less than or equal to <i>\$b</i> .
<code>\$a >= \$b</code>	Greater than or equal to	TRUE if <i>\$a</i> is greater than or equal to <i>\$b</i> .
<code>\$a <=> \$b</code>	Spaceship	An integer less than, equal to, or greater than zero when <i>\$a</i> is respectively less than, equal to, or greater than <i>\$b</i> . Available as of PHP 7.
<code>\$a ?? \$b ?? \$c</code>	Null coalesce	The first operand from left to right that exists and is not NULL . NULL if no values are defined and not NULL .

Logical Operators		
Example	Name	Result
<code>\$a and \$b</code>	And	TRUE if both <i>\$a</i> and <i>\$b</i> are TRUE .
<code>\$a or \$b</code>	Or	TRUE if either <i>\$a</i> or <i>\$b</i> is TRUE .
<code>\$a xor \$b</code>	Xor	TRUE if either <i>\$a</i> or <i>\$b</i> is TRUE , but not both.
<code>! \$a</code>	Not	TRUE if <i>\$a</i> is not TRUE .
<code>\$a && \$b</code>	And	TRUE if both <i>\$a</i> and <i>\$b</i> are TRUE .
<code>\$a \$b</code>	Or	TRUE if either <i>\$a</i> or <i>\$b</i> is TRUE .
Comparison Operators		
Example	Name	Result

Available as of PHP 7.

```

$a = 5;

$b = 4 * 4 + 5 * $a;

echo $a;

echo '<BR>';

echo $b;

echo '<BR>';


echo $a % 2;

$c = ($a % 2) ? 'ODD' : 'EVEN';

echo $c;

echo '<BR>';


$a++;

echo $a % 2;

$c = ($a % 2) ? 'ODD' : 'EVEN';

echo $c;

```