



PHP Operator

Operator digunakan untuk melakukan operasi pada variabel dan nilai-nilai

PHP membagi operator dalam kelompok berikut:

- operator aritmatika**
- operator penugasan**
- operator perbandingan**
- operator increment / Decrement**
- operator logika**
- operator String**
- operator Array**



PHP Arithmetic Operator

Operator PHP aritmatika digunakan dengan nilai-nilai numerik untuk melakukan operasi aritmatika umum, seperti penambahan, pengurangan, perkalian dll

Operator	Name	Example	Result	Show it
+	Addition	$\$x + \y	Sum of $\$x$ and $\$y$	Show it »
-	Subtraction	$\$x - \y	Difference of $\$x$ and $\$y$	Show it »
*	Multiplication	$\$x * \y	Product of $\$x$ and $\$y$	Show it »
/	Division	$\$x / \y	Quotient of $\$x$ and $\$y$	Show it »
%	Modulus	$\$x \% \y	Remainder of $\$x$ divided by $\$y$	Show it »
**	Exponentiation	$\$x ** \y	Result of raising $\$x$ to the $\$y$ 'th power (Introduced in PHP 5.6)	

```
<?php  
$x = 10;  
$y = 6;
```

```
echo $x + $y;  
?>
```

```
<?php  
$x = 10;  
$y = 6;
```

```
echo $x % $y;  
?>
```

PHP Assignment Operators

Operator Penugasan PHP

Operator PHP tugas digunakan dengan nilai-nilai numerik untuk menulis nilai ke variabel.

Operator penugasan dasar dalam PHP adalah "=". Ini berarti bahwa operan kiri akan diatur ke nilai ekspresi penugasan di sebelah kanan.

Assignment	Same as...	Description	Show it
<code>x = y</code>	<code>x = y</code>	The left operand gets set to the value of the expression on the right	Show it »
<code>x += y</code>	<code>x = x + y</code>	Addition	Show it »
<code>x -= y</code>	<code>x = x - y</code>	Subtraction	Show it »
<code>x *= y</code>	<code>x = x * y</code>	Multiplication	Show it »
<code>x /= y</code>	<code>x = x / y</code>	Division	Show it »
<code>x %= y</code>	<code>x = x % y</code>	Modulus	Show it »

```
<?php
$x = 20;
$x += 100;

echo $x;
?>
```

```
<?php
$x = 10;
$x /= 5;

echo $x;
?>
```

PHP Operator Perbandingan

Operator PHP perbandingan digunakan untuk membandingkan dua nilai (angka atau string):

Operator	Name	Example	Result	Show it
==	Equal	<code>\$x == \$y</code>	Returns true if \$x is equal to \$y	Show it »
===	Identical	<code>\$x === \$y</code>	Returns true if \$x is equal to \$y, and they are of the same type	Show it »
!=	Not equal	<code>\$x != \$y</code>	Returns true if \$x is not equal to \$y	Show it »
<>	Not equal	<code>\$x <> \$y</code>	Returns true if \$x is not equal to \$y	Show it »
!==	Not identical	<code>\$x !== \$y</code>	Returns true if \$x is not equal to \$y, or they are not of the same type	Show it »
>	Greater than	<code>\$x > \$y</code>	Returns true if \$x is greater than \$y	Show it »
<	Less than	<code>\$x < \$y</code>	Returns true if \$x is less than \$y	Show it »
>=	Greater than or equal to	<code>\$x >= \$y</code>	Returns true if \$x is greater than or equal to \$y	Show it »
<=	Less than or equal to	<code>\$x <= \$y</code>	Returns true if \$x is less than or equal to \$y	Show it »

PHP Increment / Decrement Operators

Operator increment PHP digunakan untuk kenaikan nilai variabel.

Operator PHP Decrement digunakan untuk pengurangan nilai variabel.

Operator	Name	Description	Show it
++\$x	Pre-increment	Increments \$x by one, then returns \$x	Show it »
\$x++	Post-increment	Returns \$x, then increments \$x by one	Show it »
--\$x	Pre-decrement	Decrements \$x by one, then returns \$x	Show it »
\$x--	Post-decrement	Returns \$x, then decrements \$x by one	Show it »

PHP Operator Logical

PHP operator logika digunakan untuk menggabungkan pernyataan bersyarat..

Operator	Name	Example	Result	Show it
and	And	\$x and \$y	True if both \$x and \$y are true	Show it »
or	Or	\$x or \$y	True if either \$x or \$y is true	Show it »
xor	Xor	\$x xor \$y	True if either \$x or \$y is true, but not both	Show it »
&&	And	\$x && \$y	True if both \$x and \$y are true	Show it »
	Or	\$x \$y	True if either \$x or \$y is true	Show it »
!	Not	!\$x	True if \$x is not true	Show it »

```
<?php
$x = 100;
$y = 50;
```

```
if ($x == 100 and $y == 50) {
    echo "Hello world!";
}
?>
```

```
<?php
$x = 100;
$y = 50;
```

```
if ($x == 100 or $y == 80) {
    echo "Hello world!";
}
?>
```

PHP String Operators

PHP memiliki dua operator yang khusus dirancang untuk string.

Operator	Name	Example	Result	Show it
.	Concatenation	\$txt1 . \$txt2	Concatenation of \$txt1 and \$txt2	Show it »
.=	Concatenation assignment	\$txt1 .= \$txt2	Appends \$txt2 to \$txt1	Show it »

```
<?php
$txt1 = "Hello";
$txt2 = " world!";
echo $txt1 . $txt2;
?>
```

```
<?php
$txt1 = "Hello";
$txt2 = " world!";
$txt1 .= $txt2;
echo $txt1;
?>
```

PHP Array Operators

Operator PHP array digunakan untuk membandingkan array.

Operator	Name	Example	Result	Show it
+	Union	<code>\$x + \$y</code>	Union of <code>\$x</code> and <code>\$y</code>	Show it »
<code>==</code>	Equality	<code>\$x == \$y</code>	Returns true if <code>\$x</code> and <code>\$y</code> have the same key/value pairs	Show it »
<code>===</code>	Identity	<code>\$x === \$y</code>	Returns true if <code>\$x</code> and <code>\$y</code> have the same key/value pairs in the same order and of the same types	Show it »
<code>!=</code>	Inequality	<code>\$x != \$y</code>	Returns true if <code>\$x</code> is not equal to <code>\$y</code>	Show it »
<code><></code>	Inequality	<code>\$x <> \$y</code>	Returns true if <code>\$x</code> is not equal to <code>\$y</code>	Show it »
<code>!==</code>	Non-identity	<code>\$x !== \$y</code>	Returns true if <code>\$x</code> is not identical to <code>\$y</code>	

```
<?php
$x = array("a" => "red", "b" => "green");
$y = array("c" => "blue", "d" => "yellow");

print_r($x + $y); // union of $x and $y
?>
```

```
Array ( [a] => red [b] => green [c] => blue [d] => yellow )
```

```
<?php
$x = array("a" => "red", "b" => "green");
$y
= array("c" => "blue", "d" => "yellow");

var_dump($x == $y);
?>
```

if...else...elseif Statements

CONDITIONAL STATEMENTS

Sangat sering ketika Anda menulis kode, Anda ingin melakukan tindakan yang berbeda untuk kondisi yang berbeda. Anda dapat menggunakan pernyataan kondisional dalam kode Anda untuk melakukan hal ini.

PHP Increment / Decrement Operators

Operator increment PHP digunakan untuk kenaikan nilai variabel.

Operator PHP Decrement digunakan untuk pengurangan nilai variabel.

PHP Increment / Decrement Operators

Operator increment PHP digunakan untuk kenaikan nilai variabel.

Operator PHP Decrement digunakan untuk pengurangan nilai variabel.

- **if** statement - executes some code if one condition is true
- **if...else** statement - executes some code if a condition is true and another code if that condition is false
- **if...elseif....else** statement - executes different codes for more than two conditions
- **switch** statement - selects one of many blocks of code to be executed

PHP - The if Statement

IF statement mengeksekusi beberapa kode jika salah satu kondisi benar.

Syntax

```
if (condition) {  
    code to be executed if condition is true;  
}
```

```
<?php  
$t = date("H");  
  
if ($t < "20") {  
    echo "Have a good  
day!";  
}  
?>
```

PHP - The if...else Statement

The **if...else** statement executes some code if a condition is true and another code if that condition is false.

Syntax

```
if (condition) {  
    code to be executed if condition is true;  
} else {  
    code to be executed if condition is false;  
}
```


```
<?php  
$t = date("H");  
  
if ($t < "20") {  
    echo "Have a good day!";  
} else {  
    echo "Have a good night!";  
}  
?>
```

PHP - The if...elseif...else Statement

The **if...elseif...else** statement executes different codes for more than two conditions.

Syntax

```
if (condition) {  
    code to be executed if this condition is  
    true;  
} elseif (condition) {  
    code to be executed if this condition is  
    true;  
} else {  
    code to be executed if all conditions are  
    false;  
}
```



```
<?php
$t = date("H");

if ($t < "10") {
    echo "Have a good morning!";
} elseif ($t < "20") {
    echo "Have a good day!";
} else {
    echo "Have a good night!";
}
?>
```

THANK YOU!

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