

PHP if Operators

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PHP 11 Comparison Operators Equal - identical

To compare two values, we need to use a comparison operator. Here are the PHP comparison operators to use in if statements:

Operator	Name	Example	Result
==	Equal	\$x == \$y	True if \$x is equal to \$y
===	Identical	\$x === \$y	True if \$x is equal to \$y, and they are of the same type
>	Greater than	\$x > \$y	True if \$x is greater than \$y
<	Less than	\$x < \$y	True if \$x is less than \$y
>=	Greater than or equal to	\$x >= \$y	True if \$x is greater than or equal to \$y
<=	Less than or equal to	\$x <= \$y	True if \$x is less than or equal to \$y

```
<h2>if_Comparison_Operators_Equal_identical</h2>
<h4>The == Equal Operator</h4>
<p>Compare two variables to check if they have the same value.</p>
<?php
$x = 100;
$y = 100;
if ($x == $y) {
    echo "$x is equal to $y";
}
?>
<h4>The === identical Operator</h4>
```

```
<p>Compare two variables to check if they are identical.</p>
<p>The identical operator (===) checks the value and the data type, unlike
the equal operator (==) that checks only the value.</p>
<?php
$x = 100;
$y = 100;
if ($x === $y) {
    echo "$x is identical to $y";
}
?>
```

if_Comparison_Operators_Equal_identical

The == Equal Operator

Compare two variables to check if they have the same value.

100 is equal to 100

The === identical Operator

Compare two variables to check if they are identical.

The identical operator (===) checks the value and the data type, unlike the equal operator (==) that checks only the value.

100 is identical to 100

Example 11

Result [View Example](#)

PHP 12 Comparison Operators Not equal - NOT identical

Operator	Name	Example	Result
!=	Not equal	\$x != \$y	True if \$x is not equal to \$y
<>	Not equal	\$x <> \$y	True if \$x is not equal to \$y
!==	Not identical	\$x !== \$y	True if \$x is not equal to \$y, or they are not of the same type

<h2>if Comparison Operators Not equal – NOT identical</h2>

<h4>The != Not equal Operator</h4>

<p>Compare two variables and write a message if they don't have the same value.</p>

```
<?php
$x = 100;
$y = 50;
if ($x != $y) {
    echo "$x is not equal to $y";
}
?>
```

<h4>The <> Not equal Operator</h4>

<p>Compare two variables and write a message if they don't have the same value.</p>

```
<?php
$x = 100;
$y = 50;
if ($x <> $y) {
    echo "$x is not equal to $y";
}
?>
```

<h4>The !== NOT identical Operator</h4>

<p>Compare two variables and write a message if they are NOT identical.</p>

<p>The not identical operator (!==) checks the value and the data type, unlike the not equal operator (!=) that checks only the value.</p>

```
<?php
$x = 100;
$y = 50;
if ($x !== $y) {
    echo "$x is not identical to $y";
}
?>
```

if Comparison Operators Not equal - NOT identical

The != Not equal Operator

Compare two variables and write a message if they don't have the same value.

100 is not equal to 50

The <> Not equal Operator

Compare two variables and write a message if they don't have the same value.

100 is not equal to 50

The !== NOT identical Operator

Compare two variables and write a message if they are NOT identical.

The not identical operator (!==) checks the value and the data type, unlike the not equal operator (!=) that checks only the value.

100 is not identical to 50

Example 12

Result [View Example](#)

PHP 13 Comparison Operators Greater than - Less than

Operator	Name	Example	Result
>	Greater than	\$x > \$y	True if \$x is greater than \$y
<	Less than	\$x < \$y	True if \$x is less than \$y

```
<h2>if Comparison_Operators Greater than - Less than </h2>
```

```
<h4>Greater than</h4>
<?php
    $x = 100;
    $y = 50;

    if ($x > $y) {
        echo "$x is greater than $y";
    }
?>

<h4>Less than</h4>
<?php
    $x = 100;
    $y = 50;

    if ($y < $x) {
        echo "$y is less than $x";
    }
?>
```

if Comparison_Operators Greater than - Less than

Greater than

100 is greater than 50

Less than

50 is less than 100

Example 13

Result [View Example](#)

Greater_than_or_equal_to_-_Less_than_or_equal_to

PHP 14 Comparison Operators Greater than or equal to - Less than or equal to

Operator	Name	Example	Result
>=	Greater than or equal to	\$x >= \$y	True if \$x is greater than or equal to \$y
<=	Less than or equal to	\$x <= \$y	True if \$x is less than or equal to \$y

```
<h4>Greater than or equal to</h4>
<?php
$x = 100;
$y = 100;
if ($x >= $y) {
    echo "$x is greater than, or equal to $y";
}
?>

<h4>Less than or equal to</h4>
<?php
$x = 100;
$y = 100;
if ($y <= $x) {
    echo "$y is less than, or equal to $x";
}
?>
```

if Comparison_Operators

Greater than or equal to

100 is greater than, or equal to 100

Less than or equal to

100 is less than, or equal to 100

Example 14

Result [View Example](#)

PHP 21 Logical Operators

Operator	Name	Example	Result
and	And	\$x and \$y	True if both \$x and \$y are true
&&	And	\$x && \$y	True if both \$x and \$y are true
or	Or	\$x or \$y	True if either \$x or \$y is true
	Or	\$x \$y	True if either \$x or \$y is true

Operator	Name	Example	Result
xor	Xor	\$x xor \$y	True if either \$x or \$y is true, but not both
!	Not	!\$x	True if \$x is not true

<h2>Logical Operators</h2>

<p>To check more than one condition, we can use logical operators</p>

<h4>and - && And</h4>

```
<?php
```

```
$x = 100;
```

```
$y = 50;
```

```
if ($x == 100 and $y == 50) {
    echo "Hello world! and 1";
}
```

```
if ($x == 100 && $y == 50) {
    echo "Hello world! and 2";
}
```

```
?>
```

<h4>or - || Or</h4>

```
<?php
```

```
$x = 100;
```

```
$y = 50;
```

```
if ($x == 100 or $y == 80) {
    echo "Hello world! or 1";
}
```

```
if ($x == 100 || $y == 80) {
    echo "Hello world! or 2";
}
```

```
?>
```

<h4>xor - Xor</h4>

```
<?php
```

```
$x = 100;
```

```
$y = 50;
```

```
if ($x == 100 xor $y == 80) {
    echo "Hello world! Xor";
}
```

```
?>
```

<h4>! Not</h4>

```
<?php
```

```
$x = 100;
```

```
if (!( $x == 90)) {
    echo "Hello world! Not";
}
```

```
?>
```

Document

Document in project

You can [Download PDF](#) file.

Reference