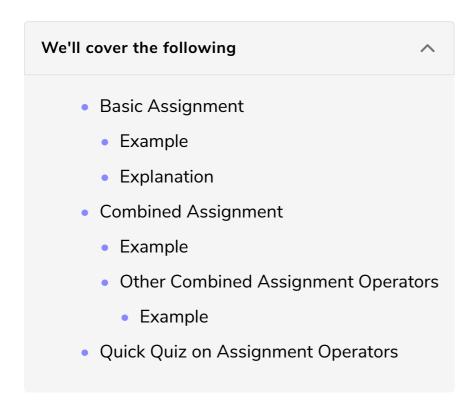
Assignment Operators



Basic Assignment

PHP allows you to do the basic arithmetic assignment by using the = operator.

```
value stored in this variable

$a = "hello" can be a variable operator or a string
```

The above statement results in \$a having the value "hello". The result of an assignment expression is the value being assigned. Note that a single equal sign = is NOT for comparison!

Example

Run the following code to see what happens:

```
$b = ($a = 5); //assigns 5 to $a and then assigns the value of $a to $b echo "\n\$a = " . $a; //prints $a = 5

echo "\n\$b = " . $b; //prints $b = 5

?>
```







Explanation

- 1. Line 2 assigns 3 to \$a.
- 2. Line 4 assigns 5 to \$a, and later assigns the result of the expression in parentheses (\$a=5) to \$b.

Thus, both \$a and \$b now have the value 5.

Combined Assignment

The combined assignment operators are a shortcut for an operation on some variable and subsequently assigning this new value to that variable.

```
value stored in this variable

$a = $a + 5

$combined assignment
```

Example

Run the code below to see how combined assignment works:

```
<?php
$a = 1; // basic assignment
echo ($a += 2) . "\n"; // read as '$a = $a + 2'; $a now is (1 + 2) => 3
echo ($a -= 1) . "\n"; // $a now is (3 - 1) => 2
echo ($a *= 2) . "\n"; // $a now is (2 * 2) => 4
echo ($a /= 2) . "\n"; // $a now is (4 / 2) => 2
echo ($a %= 5) . "\n"; // $a now is (2 % 5) => 2 (modulus or remainder)

?>
```







You can also calculate the power of a number using the combined assignment operator.

```
value stored in this variable

$a = ($a)$b

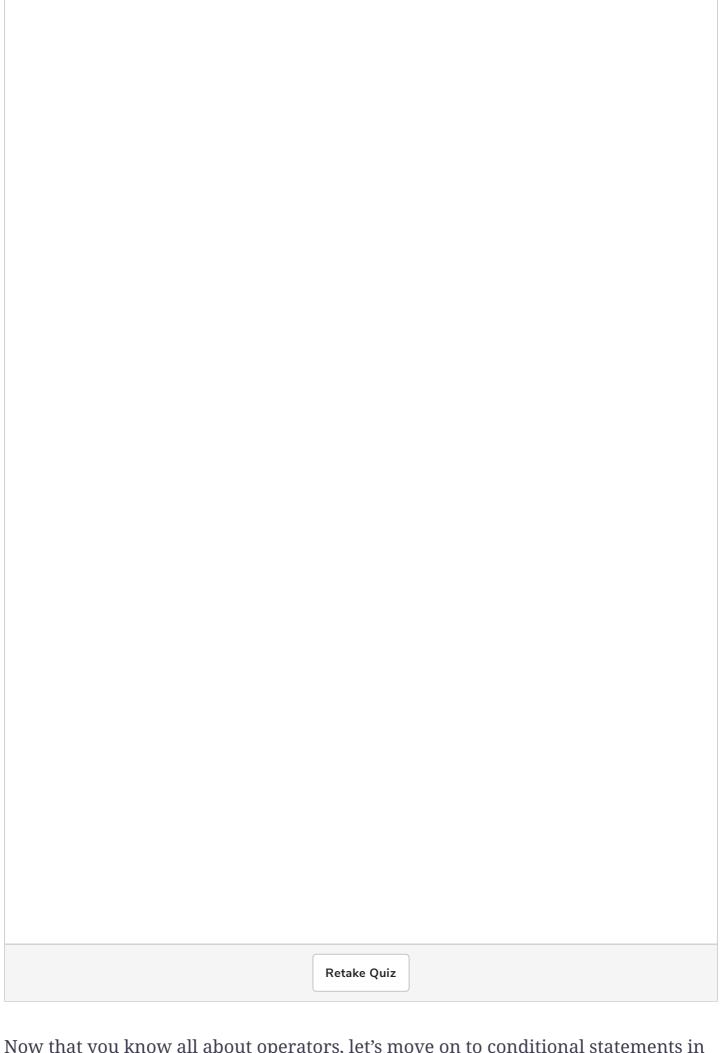
combined can be any integer
```

Example

Run the code below to see how this is done:

Quick Quiz on Assignment Operators





Now that you know all about operators, let's move on to conditional statements in the next chapter.