



**TRY
PHP**

Level 3

Conditionals & Operators

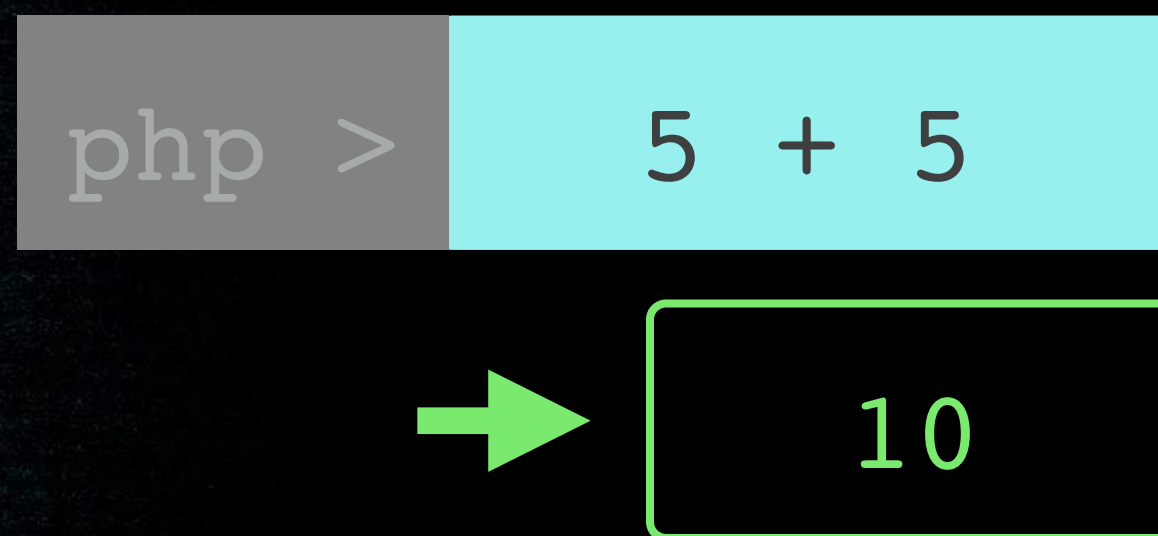
What If? Now What? What Else?



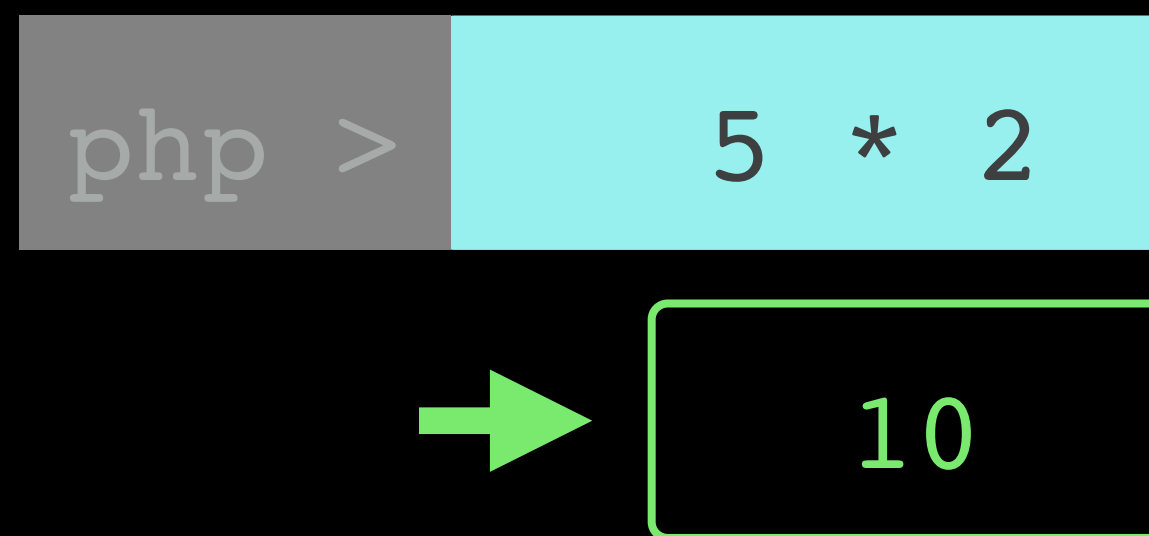
Arithmetic Operators

These are some of the arithmetic operators available to us in PHP.

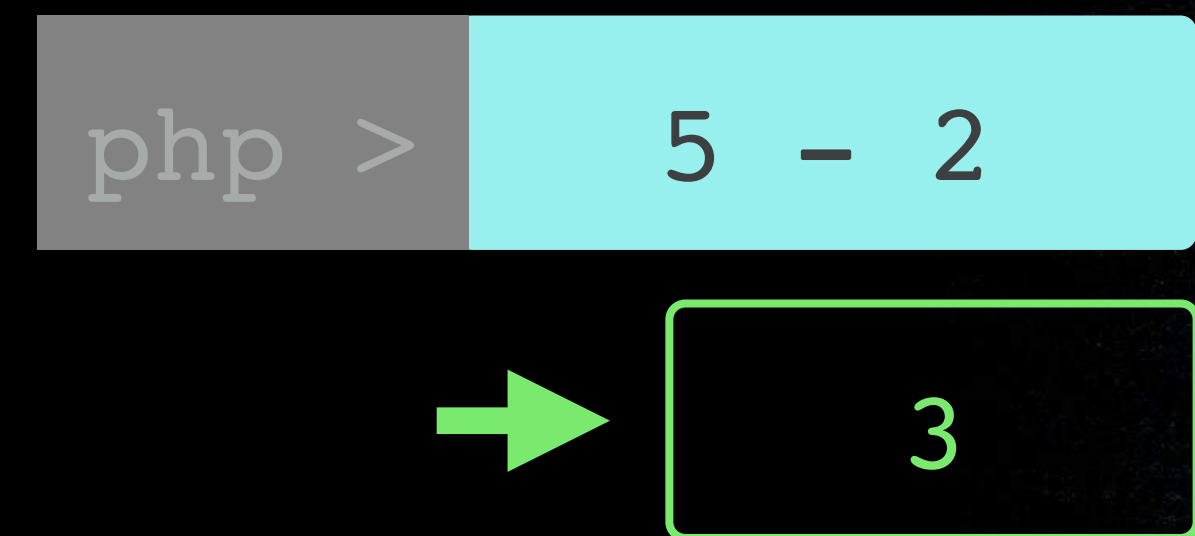
Addition



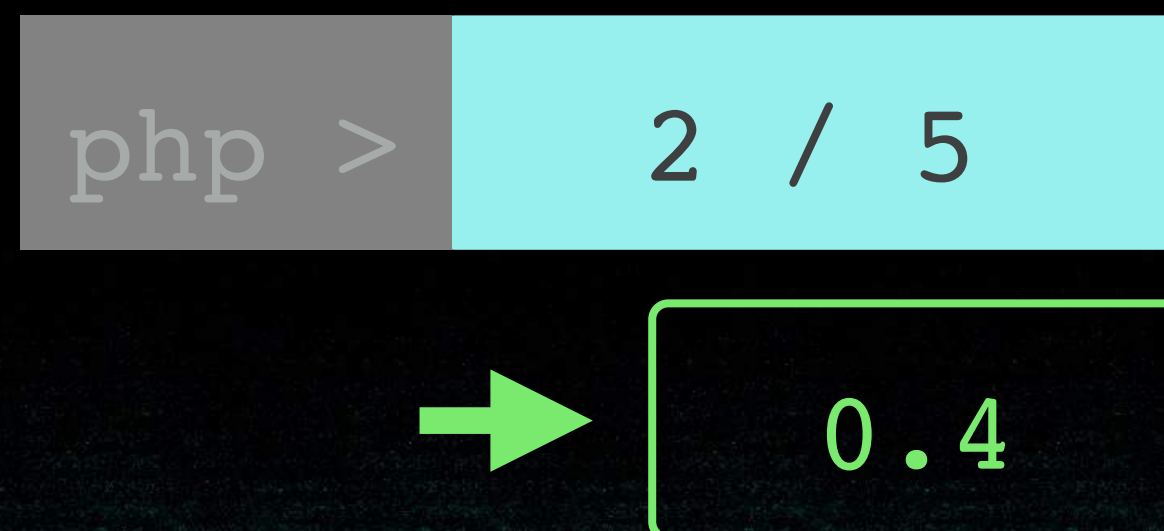
Multiplication



Subtraction



Division



Exponent

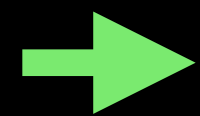


Comparison Operators

These are some of the comparison operators available to us in PHP.

Equal

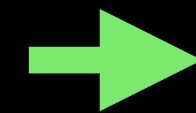
php > 5 == '5'



true

Greater Than or Equal To

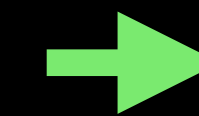
php > 5 >= 5



true

Not Equal To

php > 5 != 2



true

Greater Than

php > 5 > 2



true

Less Than

php > 2 < 5



true

Identical

php > 5 === '5'



false

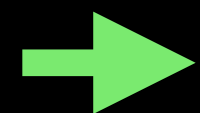
Identical Comparison Operator

To be identical, the items must be of the same type and value.

Identical

php >

5 === '5'



false

5

// is integer data

'5'

// is string data

Control Flow

The if statement allows us to execute code based on a condition.

index.php

```
<?php
$year = 2016;
if ($year >= 2001) {
    echo "Hal can't do that for you, and he is sorry.";
}
```

Test if our \$year is greater than or equal to 2001

Run code within as long as our Test is true

Default Condition

The else statement allows us to run code when the if returns false.

index.php

```
<?php
$year = 2016;

if ($year >= 2001) {
    echo "Hal can't do that for you, and he is sorry.";
} else {
    echo "You still have time. Destroy the machines!";
}
```

Run this code if our Test is false



Logical Operators

These are some of the logical operators available to us in PHP.

```
<?php  
$a = true;  
$b = false;
```

And

```
php > $a && $b
```

false

True if \$a and \$b are both true

Or

```
php > $a || $b
```

true

True if either \$a or \$b are true

Not

```
php > !$b
```

true

True if only the variable is not true

Testing Multiple Conditions

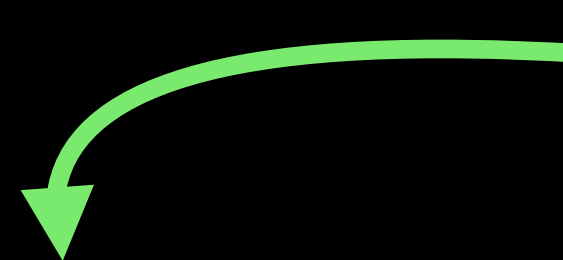
Using the logical operator and, we can test to see if multiple conditions are true.

index.php

```
<?php
$year = 1984;

if ($year >= 1994 && $year < 2001){
    echo "Skynet is growing stronger every day.";
} else {
    echo "You still have time. Destroy the machines!";
}
```

Is \$year between 1994 and 2000?




Multiple if Statements

The elseif statement allows us to have multiple conditions.

index.php

```
<?php
$year = 1984;

if ($year >= 2001) {
    echo "Hal can't do that for you, and he is sorry.";
} elseif ($year >= 1984) {
    echo "Eurasia has fallen! Rejoice with Big Brother.";
} else {
    echo "You still have time. Destroy the machines!";
}
```



Test this if the first condition is false

What Have We Learned?

Let's have a quick review.

- Comparison operators
- Arithmetic operators
- if, if-else, else comparisons
- Logical operators





**TRY
PHP**