



PHP CHEAT SHEET

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Basic PHP Structure:

```
<?php
    // This is a comment
    echo "This is my first php file!";
?>
```

Variables:

```
<?php
    // Variables use Dollar Signs $
    $first_name = "John";

    // Numbers don't use quotation marks
    $favorite_number = 41;
?>
```

Math Operators:

```
+    // addition
-    // subtraction
*    // multiplication
/    // division
%    // modulus
**   // exponents
```

Assignment Operators

```
=    // Basic Assignment
+=   // Addition
-=   // Subtraction
*=   // Multiplication
/=   // Division
%=   // Modulus
```

Comparison Operators

```
== // Equal
=== // Identical
!= // Not Equal
<> // Not Equal
!== // Not Identical
> // Greater Than
< // Less Than
>= // Greater than or Equal To
<= // Less than or Equal To
```

Increment Operators

```
++$variable // Pre-Increment
$variable++ //Post Increment
--$variable // Pre-Decrement
$variable-- // Post Decrement
```

Logical Operators

```
And // true if both are true
Or // true if either are true
Xor // true if either are true but not both
&& // true if both are true
|| // true if either are true
! // true if not true
```

Basic IF Statement

```
<?php
    if (condition) {
        // do something
    }

    Example:
    if (2 > 1) {
        Echo "2 is greater than 1";
    }
?>
```

If/Else/Elseif

```
<?php
    if (condition) {
        // do something
    } elseif (condition) {
        // do something
    } else {
        // do something
    }
?>
```

Example:

```
<?php
    if ($variable > 100) {
        echo "Your variable is greater than 100";
    } elseif ($variable == 150) {
        Echo "Your variable is 150!";
    } else {
        "Your number is less than 100";
    }
?>
```

Arrays

```
<?php
    // Numeric Array
    $my_array = array("Blue", "Red", "Green", "Purple");
    Echo $my_var[0];    // echoes out Blue
?>
```

```
<?php
    // Associative Arrays
    $ages = array("John"=>"39", "Bob"=>"18", "Mary"=>"29");
    echo $ages["John"];    // echoes out 39
?>
```

While Loop

```
<?php
    $counter = 0;
    while ($counter < 10) {
        echo $counter;
        $counter++;
    }
?>
```

For Loop

```
<?php
    for ($counter = 1; $counter < 10; $counter++){
        echo $counter;
    }
?>
```

Functions

```
<?php
    Function namer($names) {
        echo "Hello, my name is " . $names;
    }
    namer("John Elder"); // call the function
?>
```

Random Numbers

```
<?php
    echo rand(1, 100); // creates random number between 1 and 100
?>
```

Date Function

```
<?php
    echo date ('l js \of F, Y); // echoes out date in format Tuesday 26th of January 2018
?>
```

String Manipulation

```
<?php
    $variable = "John Elder is a Dork";
    str_replace("Dork", "God", $variable); // replace Dork with God

    echo strtoupper($variable); // Capitalize all letters
    echo ucwords($variable); // Capitalize first letter of all words
    echo strtolower($variable); // Lowercase all letters
    echo lcfirst($variable); // Lowercase only first word
    echo
?>
```

Include Function

```
<?php
    Include('whatever.php');
?>
```

Require Once Function

```
<?php
    require_once('navbar.php');
?>
```