

PHP: Web dev. language that executes on the server side then generates & returns HTML code to the client.
Very useful for its ability to interact with a database as well.

Hosting:

- Download WAMP
- Place files into a new file in "C: > WAMP64 > www"
- use the extension .php instead of .html
- "localhost/filename/" automatically opens - index.html - index.php
(if not found => opens a default directory selection page)

The Syntax: `<?php` // PHP stuff. `?>`

• Display Texts `echo "hello..."` — HTML tags in here will function normally ex: "hell<s>o</s>"

• variables. Can be text "..." becomes hello
numbers 3
boolean true

`$x = ...`

• no initialization needed.

• `echo $x;` `echo "$x";` `echo "hello $x";`
all 3 work

• casting (int), (long), etc... same as in C.

• Pre-defined:

• `empty($x);` true if empty
• `isset($x);` false if empty
• `unset($x);` destroy variable

• `gettype($x);`
• `settype($x, 'int');`

Type checks:

• `is_long` • `is_bool`
• `is_float` • `is_double`
• `is_array` • `is_numeric`
• `is_int` • etc...

Notes: To create a variable named after the value inside another variable `${$x} = ... ;`

Arithmetic, Logical, Comparison, & Ternary operators are the same as "C"

• Including:

• Switch, for/while/dowhile, break & continue, exit(), and functions of strings:
- `strlen($s)` - `strcmp(a,b)`
- `strtolower/upper($s)`
- `trim($s)` - `substr($a,$i,$j)`

• Math: - `abs($x)` - `ceil` - `floor` - `pow` - `round($x,$ith)`
- `max($a,...)` - `pi()`

• Random: `rand([a,b]);`

• Stopping Scripts: `die("error");`

- `str_replace("","",$s);`
- `explode("-", $file)[1]`

Notes: `echo $x. "hello". "\n". $y...` instead of +