**What is PHP?**

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

### **PHP SUPPORTS NINE PRIMITIVE TYPES.**

##### FOUR SCALAR TYPES:

* + boolean
  + integer
  + float (floating-point number, aka double)
  + string

##### FOUR COMPOUND TYPES:

* + array
  + object
  + callable
  + iterable

##### TWO SPECIAL TYPES:

* + resource
  + NULL

##### PSEUDO-TYPES FOR READABILITY REASONS:

* + mixed
  + number
  + callback (aka callable)
  + array|object
  + void
  + pseudo-variable $....

# PHP tags

<?php

echo "Hello world";

// ... more code

echo "Last statement";

?> //the script ends here with PHP closing tag

**Supported Protocols and Wrappers**

* file:// — Accessing local filesystem
* http:// — Accessing HTTP(s) URLs
* ftp:// — Accessing FTP(s) URLs
* php:// — Accessing various I/O streams
* zlib:// — Compression Streams
* data:// — Data (RFC 2397)
* glob:// — Find pathnames matching pattern
* phar:// — PHP Archive
* ssh2:// — Secure Shell 2
* rar:// — RAR
* ogg:// — Audio streams
* expect:// — Process Interaction Streams

**Predefined Variables**

* Superglobals — Superglobals are built-in variables that are always available in all scopes
* $GLOBALS — References all variables available in global scope
* $\_SERVER — Server and execution environment information
* $\_GET — HTTP GET variables
* $\_POST — HTTP POST variables
* $\_FILES — HTTP File Upload variables
* $\_REQUEST — HTTP Request variables
* $\_SESSION — Session variables
* $\_ENV — Environment variables
* $\_COOKIE — HTTP Cookies
* $php\_errormsg — The previous error message
* $HTTP\_RAW\_POST\_DATA — Raw POST data
* $http\_response\_header — HTTP response headers
* $argc — The number of arguments passed to script
* $argv — Array of arguments passed to script