PHP FUNDAMENTALS

PHP is a well-known and used programming language that allows us to develop websites focusing on the server-side scripting and also can be embedded to HTML.

LANGUAGE REFERENCE (from PHP documentation)

* Basic Syntax
  + PHP Tags
  + Escaping from HTML
  + Instruction Separation
  + Comments
* Types
  + Introduction
  + Boolean
  + Integers
  + Floating point numbers
  + Stri ng
  + Arrays
  + Objects
  + Resources
  + NULL
  + Callbacks / Callables
  + Pseudo-types and variables
  + Type Juggling
* Variables
  + Basics
  + Predefined Variables
  + Variable scope
  + Variables variables
  + Variables from External Sources
* Constants
  + Syntax
  + Magic Constants
* Expressions
* Operators
  + Operator Precedence
  + Arithmetic Operators
  + Bitwise Operators
  + Comparison Operators
  + Error Control Operators
  + Execution Operators
  + Incrementing/Decrementing Operators
  + Logical Operators
  + String Operators
  + Array Operators
  + Type Operators
* Control Structures
  + Introduction
  + If
  + Else
  + Else if
  + Alternative syntax for control structures
  + While
  + Do-while
  + For
  + Foreach
  + Break
  + Continue
  + Switch
  + Declare
  + Return
  + Require
  + Include
  + Require\_once
  + Include\_once
  + Goto
* Functions
  + [User-defined functions](http://php.net/manual/en/functions.user-defined.php)
  + [Function arguments](http://php.net/manual/en/functions.arguments.php)
  + [Returning values](http://php.net/manual/en/functions.returning-values.php)
  + [Variable functions](http://php.net/manual/en/functions.variable-functions.php)
  + [Internal (built-in) functions](http://php.net/manual/en/functions.internal.php)
  + [Anonymous functions](http://php.net/manual/en/functions.anonymous.php)
* [Classes and Objects](http://php.net/manual/en/language.oop5.php)
  + [Introduction](http://php.net/manual/en/oop5.intro.php)
  + [The Basics](http://php.net/manual/en/language.oop5.basic.php)
  + [Properties](http://php.net/manual/en/language.oop5.properties.php)
  + [Class Constants](http://php.net/manual/en/language.oop5.constants.php)
  + [Autoloading Classes](http://php.net/manual/en/language.oop5.autoload.php)
  + [Constructors and Destructors](http://php.net/manual/en/language.oop5.decon.php)
  + [Visibility](http://php.net/manual/en/language.oop5.visibility.php)
  + [Object Inheritance](http://php.net/manual/en/language.oop5.inheritance.php)
  + [Scope Resolution Operator (::)](http://php.net/manual/en/language.oop5.paamayim-nekudotayim.php)
  + [Static Keyword](http://php.net/manual/en/language.oop5.static.php)
  + [Class Abstraction](http://php.net/manual/en/language.oop5.abstract.php)
  + [Object Interfaces](http://php.net/manual/en/language.oop5.interfaces.php)
  + [Traits](http://php.net/manual/en/language.oop5.traits.php)
  + [Anonymous classes](http://php.net/manual/en/language.oop5.anonymous.php)
  + [Overloading](http://php.net/manual/en/language.oop5.overloading.php)
  + [Object Iteration](http://php.net/manual/en/language.oop5.iterations.php)
  + [Magic Methods](http://php.net/manual/en/language.oop5.magic.php)
  + [Final Keyword](http://php.net/manual/en/language.oop5.final.php)
  + [Object Cloning](http://php.net/manual/en/language.oop5.cloning.php)
  + [Comparing Objects](http://php.net/manual/en/language.oop5.object-comparison.php)
  + [Type Hinting](http://php.net/manual/en/language.oop5.typehinting.php)
  + [Late Static Bindings](http://php.net/manual/en/language.oop5.late-static-bindings.php)
  + [Objects and references](http://php.net/manual/en/language.oop5.references.php)
  + [Object Serialization](http://php.net/manual/en/language.oop5.serialization.php)
  + [OOP Changelog](http://php.net/manual/en/language.oop5.changelog.php)
* [Namespaces](http://php.net/manual/en/language.namespaces.php)
  + [Namespaces overview](http://php.net/manual/en/language.namespaces.rationale.php)
  + [Defining namespaces](http://php.net/manual/en/language.namespaces.definition.php)
  + [Declaring sub-namespaces](http://php.net/manual/en/language.namespaces.nested.php)
  + [Defining multiple namespaces in the same file](http://php.net/manual/en/language.namespaces.definitionmultiple.php)
  + [Using namespaces: Basics](http://php.net/manual/en/language.namespaces.basics.php)
  + [Namespaces and dynamic language features](http://php.net/manual/en/language.namespaces.dynamic.php)
  + [namespace keyword and \_\_NAMESPACE\_\_ constant](http://php.net/manual/en/language.namespaces.nsconstants.php)
  + [Using namespaces: Aliasing/Importing](http://php.net/manual/en/language.namespaces.importing.php)
  + [Global space](http://php.net/manual/en/language.namespaces.global.php)
  + [Using namespaces: fallback to global function/constant](http://php.net/manual/en/language.namespaces.fallback.php)
  + [Name resolution rules](http://php.net/manual/en/language.namespaces.rules.php)
  + [FAQ: things you need to know about namespaces](http://php.net/manual/en/language.namespaces.faq.php)
* [Errors](http://php.net/manual/en/language.errors.php)
  + [Basics](http://php.net/manual/en/language.errors.basics.php)
  + [Errors in PHP 7](http://php.net/manual/en/language.errors.php7.php)
* [Exceptions](http://php.net/manual/en/language.exceptions.php)
  + [Extending Exceptions](http://php.net/manual/en/language.exceptions.extending.php)
* [Generators](http://php.net/manual/en/language.generators.php)
  + [Generators overview](http://php.net/manual/en/language.generators.overview.php)
  + [Generator syntax](http://php.net/manual/en/language.generators.syntax.php)
  + [Comparing generators with Iterator objects](http://php.net/manual/en/language.generators.comparison.php)
* [References Explained](http://php.net/manual/en/language.references.php)
  + [What References Are](http://php.net/manual/en/language.references.whatare.php)
  + [What References Do](http://php.net/manual/en/language.references.whatdo.php)
  + [What References Are Not](http://php.net/manual/en/language.references.arent.php)
  + [Passing by Reference](http://php.net/manual/en/language.references.pass.php)
  + [Returning References](http://php.net/manual/en/language.references.return.php)
  + [Unsetting References](http://php.net/manual/en/language.references.unset.php)
  + [Spotting References](http://php.net/manual/en/language.references.spot.php)
* [Predefined Variables](http://php.net/manual/en/reserved.variables.php)
  + [Superglobals](http://php.net/manual/en/language.variables.superglobals.php) — Superglobals are built-in variables that are always available in all scopes
  + [$GLOBALS](http://php.net/manual/en/reserved.variables.globals.php) — References all variables available in global scope
  + [$\_SERVER](http://php.net/manual/en/reserved.variables.server.php) — Server and execution environment information
  + [$\_GET](http://php.net/manual/en/reserved.variables.get.php) — HTTP GET variables
  + [$\_POST](http://php.net/manual/en/reserved.variables.post.php) — HTTP POST variables
  + [$\_FILES](http://php.net/manual/en/reserved.variables.files.php) — HTTP File Upload variables
  + [$\_REQUEST](http://php.net/manual/en/reserved.variables.request.php) — HTTP Request variables
  + [$\_SESSION](http://php.net/manual/en/reserved.variables.session.php) — Session variables
  + [$\_ENV](http://php.net/manual/en/reserved.variables.environment.php) — Environment variables
  + [$\_COOKIE](http://php.net/manual/en/reserved.variables.cookies.php) — HTTP Cookies
  + [$php\_errormsg](http://php.net/manual/en/reserved.variables.phperrormsg.php) — The previous error message
  + [$HTTP\_RAW\_POST\_DATA](http://php.net/manual/en/reserved.variables.httprawpostdata.php) — Raw POST data
  + [$http\_response\_header](http://php.net/manual/en/reserved.variables.httpresponseheader.php) — HTTP response headers
  + [$argc](http://php.net/manual/en/reserved.variables.argc.php) — The number of arguments passed to script
  + [$argv](http://php.net/manual/en/reserved.variables.argv.php) — Array of arguments passed to script
* [Predefined Exceptions](http://php.net/manual/en/reserved.exceptions.php)
  + [Exception](http://php.net/manual/en/class.exception.php)
  + [ErrorException](http://php.net/manual/en/class.errorexception.php)
  + [Error](http://php.net/manual/en/class.error.php)
  + [ArgumentCountError](http://php.net/manual/en/class.argumentcounterror.php)
  + [ArithmeticError](http://php.net/manual/en/class.arithmeticerror.php)
  + [AssertionError](http://php.net/manual/en/class.assertionerror.php)
  + [DivisionByZeroError](http://php.net/manual/en/class.divisionbyzeroerror.php)
  + [ParseError](http://php.net/manual/en/class.parseerror.php)
  + [TypeError](http://php.net/manual/en/class.typeerror.php)
* [Predefined Interfaces and Classes](http://php.net/manual/en/reserved.interfaces.php)
  + [Traversable](http://php.net/manual/en/class.traversable.php) — The Traversable interface
  + [Iterator](http://php.net/manual/en/class.iterator.php) — The Iterator interface
  + [IteratorAggregate](http://php.net/manual/en/class.iteratoraggregate.php) — The IteratorAggregate interface
  + [Throwable](http://php.net/manual/en/class.throwable.php)
  + [ArrayAccess](http://php.net/manual/en/class.arrayaccess.php) — The ArrayAccess interface
  + [Serializable](http://php.net/manual/en/class.serializable.php) — The Serializable interface
  + [Closure](http://php.net/manual/en/class.closure.php) — The Closure class
  + [Generator](http://php.net/manual/en/class.generator.php) — The Generator class
* [Context options and parameters](http://php.net/manual/en/context.php)
  + [Socket context options](http://php.net/manual/en/context.socket.php) — Socket context option listing
  + [HTTP context options](http://php.net/manual/en/context.http.php) — HTTP context option listing
  + [FTP context options](http://php.net/manual/en/context.ftp.php) — FTP context option listing
  + [SSL context options](http://php.net/manual/en/context.ssl.php) — SSL context option listing
  + [CURL context options](http://php.net/manual/en/context.curl.php) — CURL context option listing
  + [Phar context options](http://php.net/manual/en/context.phar.php) — Phar context option listing
  + [MongoDB context options](http://php.net/manual/en/context.mongodb.php) — MongoDB context option listing
  + [Context parameters](http://php.net/manual/en/context.params.php) — Context parameter listing
  + [Zip context options](http://php.net/manual/en/context.zip.php) — Zip context option listing
* [Supported Protocols and Wrappers](http://php.net/manual/en/wrappers.php)
  + [file://](http://php.net/manual/en/wrappers.file.php) — Accessing local filesystem
  + [http://](http://php.net/manual/en/wrappers.http.php) — Accessing HTTP(s) URLs
  + [ftp://](http://php.net/manual/en/wrappers.ftp.php) — Accessing FTP(s) URLs
  + [php://](http://php.net/manual/en/wrappers.php.php) — Accessing various I/O streams
  + [zlib://](http://php.net/manual/en/wrappers.compression.php) — Compression Streams
  + [data://](http://php.net/manual/en/wrappers.data.php) — Data (RFC 2397)
  + [glob://](http://php.net/manual/en/wrappers.glob.php) — Find pathnames matching pattern
  + [phar://](http://php.net/manual/en/wrappers.phar.php) — PHP Archive
  + [ssh2://](http://php.net/manual/en/wrappers.ssh2.php) — Secure Shell 2
  + [rar://](http://php.net/manual/en/wrappers.rar.php) — RAR
  + [ogg://](http://php.net/manual/en/wrappers.audio.php) — Audio streams
  + [expect://](http://php.net/manual/en/wrappers.expect.php) — Process Interaction Streams