

PHP Fundamentals

Introduction



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Intended Audience



History of PHP

1994

Rasmus Lerdorf



Common Gateway
Interface

Written in C

PHP Tools 1.0

June, 1995 official
release of PHP Tools
version 1.0



Logging access
Password Protection
Create/Display Forms

PHP/FI 2.0

April 1996, PHP/FI 2.0
was released.

Conditional statements

Access to databases

First time the term
scripting language was used

PHP 3.0

June 6, 1998

Volunteers
Zeev Suraski
Andi Gutmans

Rewrite of the
underlying
parsing engine

Support for all
major Operating
Systems



Supported more
databases

Renaming of PHP

Personal

PHP

Home

Hypertext

Page

Preprocessor

Recursive Acronym/Backronym

Later Versions

- PHP 4.0
 - May 22, 2000
 - New Zend Engine
- Minor releases
- PHP 5.0
 - July 2004
 - Zend Engine 2.0
- Current version PHP 5.6.6
 - PHP 5.5 Supported 64-bit builds
- Future PHP 6, PHP 7



What's Possible?

Server-side scripting
(creating web sites)

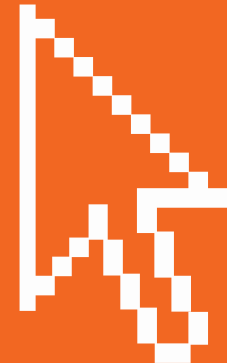


Command line
scripting

Example PHP Program

Simple Script

Simple Web Script



```
<?php
```

```
$message = "Hello World!";
```

```
echo $message;
```

```
?>
```

Output:

Hello World!

Simple Web Script

```
<?php  
$message = "Hello World!";  
$title = "HTML Sample";  
?>
```

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>PHP Fundamentals - <?=$title?></title>  
  </head>  
  <body>  
    <h1><?php echo $message ?></h1>  
  </body>  
</html>
```

Linux Environment

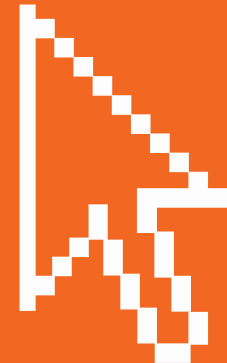
Run a script from the terminal



Windows Environment

Run a script from the command line

Run a script from powershell



Reserved Keywords and Variables



`if, else, while, and, or, return,
new, class, switch, break, for,
foreach, static, public`

`require, require_once, include,
include_once, extends, continue,
print, echo, var`

`endfor, endif, endforeach, endswitch,
endwhile`

`$_GET, $_POST, $_COOKIE, $_SERVER,
$_FILES, $_ENV, $this,`

What will you learn?

Course Outline

- General Types
- Strings
- Arrays
- Functions
- Control Structure
- Classes & Objects
- Web Programming
- Databases

