

[Php]

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[What is php and how/why is it used?]

After Noticing some php files in our repository, I wondered what php was all about and what its used for.

This document will offer insight into the basics of php and how it is used in development environments

What is Php?

Php stands for Hypertext Preprocessor and is a Hypertext Preprocessor open source Scripting Language. It is typically used as a server side scripting language and was originally intended for web-design only. Php code can be intertwined with Html, or can be used with different template systems. Php scripts can only be interpreted on a server that has PHP installed. Along with html, php can also be used to connect with databases such as MySQL, Oracle, and others



Why use Php?

- In General, php is easy to start using if you understand HTML and CSS.
- Php can interact with many different database languages , along with Html
- Finding help on how to use php is easily accessible online through forums and various tutorials
- Free... minimizes cost in a development setting; No licensing fees
- Cross Platform , so It can be used across various Operating Systems.

```
1 <?php
2 /*
3  * Extract the 'id' value from the query string.
4  * We're filtering to ensure it matches the expected integer number we expect.
5  */
6 $id = filter_input(INPUT_GET, 'id', FILTER_SANITIZE_NUMBER_INT);
7 // Filter the 'title' value, which can contain special characters (HTML
  entities and the like).
8 $title = filter_input(INPUT_GET, 'title', FILTER_SANITIZE_SPECIAL_CHARS);
9 // Build a simple URL with some good (matching) and bad values.
10 $goodURL = baseURL() . '?' . http_build_query(array('id' => 5276,
   title' => "Les Misérables"));
11 $badURL = baseURL() . '?' . http_build_query(array('id' => "not a number",
   title' => "Les Misérables"));
12 function baseURL() {
13     return (@$_SERVER['HTTPS']) ? "https://" : "http://" .
14         $_SERVER["SERVER_NAME"] .
15         ($SERVER['SERVER_PORT'] != 80 ? ":" .
16         $_SERVER['SERVER_PORT'] : null) .
17         $_SERVER['SCRIPT_NAME'];
18 }
19 ?>
20 <!-- Our basic HTML output -->
21 <p>
22 Your searched book <?= $title ? "is titled $title" : "has no title" ?> and
  has <?= $id ? "the ID $id." : "an invalid ID." ?>
23 </p>
24 <a href="<?= baseURL() ?>">Home</a><br/>
25 <a href="<?= $goodURL ?>">Good Link</a><br/>
26 <a href="<?= $badURL ?>">Bad Link</a><br/>
```

Sample of Php Code

References:

[<https://study.com/academy/lesson/what-is-php-used-for-uses-advantages.html>] Provided a very useful overview of Php and its usefulness

[<https://www.guru99.com/what-is-php-first-php-program.html>] Another helpful website for understanding and comparing php to other languages

[<https://knowthecode.io/labs/php-101-gentle-introduction-wordpress-programming/episode-2>]

Video for those who like hearing and seeing