

Introduction to PHP (Hypertext PreProcessor, HyperText Processor)

Part 3

PHP Arrays and Superglobals

References

- Chapter 8 Introduction to Server-Side Development with PHP of the Text Book Entitled Fundamentals of Web Development, by Randy Connolly and Ricardo Hoar
- PHP 5.6.14 Released Oct. 1, 2015
- PHP 5.6.1 Released Oct. 2, 2014, <http://php.net/>
- PPH Documentation, <http://php.net/urlhowto.php>
- PHP Language Reference, <http://php.net/manual/en/langref.php>

Predefined Superglobals, <http://php.net/manual/en/language.variables.superglobals.php>

Superglobals // Built-in variables that are always available in all scopes

- `$GLOBALS` // All variables available in global scope (array containing info about the request and the server)
- `$_SERVER` // Server and execution environment info
- `$_GET` // HTTP GET variables (array of query string data passed to the server via the URL)
- `$_POST` // HTTP POST variables (array of query string data passed to the server via the HTTP header)
- `$_FILES` // HTTP file upload variables (array of file items uploaded to the server)
- `$_REQUEST` // HTTP request variables (array containing the contents of `$_GET`, `$_POST`, and `$_COOKIE`)
- `$_SESSION` // Session variables (array contains session data)
- `$_ENV` // Environment variables (array) of a server
- `$_COOKIEs` // Array of Cookie data passed to page via HTTP request

HTTP Cookies, <http://php.net/manual/en/features.cookies.php>

- PHP Supports for HTTP Cookies
- Set the session cookie parameters, <http://php.net/manual/en/function.session-set-cookie-params.php>

`$_SERVER`, <http://php.net/manual/en/reserved.variables.server.php>

- An array containing information such as Headers, Paths, Script Location
- There is no guarantee that every web server will provide any of these info
- See CGI/1.1 Specification, <http://www.faqs.org/rfcs/rfc3875.html>

Example 1. A PHP Page that uses print Server retained info in the \$_SERVER

Also use date(), <http://php.net/manual/en/function.date.php>

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
<meta content="en-us" http-equiv="Content-Language" />
<title>This HTML page prints out your b</title>
</head>
<body>
<p>This HTML page prints out your browser info and the IP addresses of the HTTP
Request. </p>
Your Computer Name: <?php echo $_SERVER['HTTP_HOST'] ?><br />
Your Browser is : <?php echo $_SERVER['HTTP_USER_AGENT'] ?><br />
Your IP address : <?php echo $_SERVER['REMOTE_ADDR'] ?> <br/>
Your IP address : <?php echo $_SERVER['REMOTE_PORT'] ?> <br/>
Server Name: : <?php echo $_SERVER['SERVER_NAME'] ?> <br/>
Server Protocol : <?php echo $_SERVER['SERVER_PROTOCOL'] ?><br />
Server Software : <?php echo $_SERVER['SERVER_SOFTWARE'] ?><br />
Request Method : <?php echo $_SERVER['REQUEST_METHOD'] ?><br />
Request Time : <?php echo $_SERVER['REQUEST_TIME'] ?><br />
Request Date: <?php echo date("D:d:M:Y:H:i:s") ?>;</body>
</html>
```

Example 2: A PHP page that shows the contents kept in \$_COOKIE from the server that process your form data.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<!-- readYourCookies.php -->
<html xmlns="http://www.w3.org/1999/xhtml">

<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
<meta content="en-us" http-equiv="Content-Language" />
<title>Displaying the Cookie Contents</title>
</head>

<body>

<p>This PHP page prints out your Cookie Contents. </p>
<?php
    setcookie("color", "red");
    echo $_COOKIE["color"];
```

```
?>

</body>

</html>
```

PHP Functions Reference

- **echo()**
- **unset()** // Destroy variables
- **func_get_args()** // get function arguments
- **func_num_args()** // get function argument count

String Manipulation Functions

- **strcmp()** // string comparison, case sensitive
- **strcasecmp()** // string comparison, non case sensitive
- **substr()** // the sub string
- **strlen()** // The number of chars in the string
- **strpos()** // The character position
- **chop()** // Remove all white spaces from its ends
- **trim()** // remove all white spaces from both ends
- **strtolower()** // covert to lower case characters
- **strtoupper()** // convert to upper case characters

Arithmetic Functions

- **floor(), ceil(), round(), srand(), rand(), abs(), min(), max()**

Output Functions

- **print()**
- **printf()** // formatted output

PHP Functions

- **func_get_args()** // <http://us3.php.net/manual/en/function.func-get-args.php>
- **func_num_args()**

```
<!DOCTYPE html>
<!--func_arguments.php - A trivial example to illustrate a php document -->
<html lang = "en">
  <head>
    <title> func_arguments.php </title>
  <meta charset = "utf-8" />
</head>
<body>
<?php
  function func_dynamic() {
```

```
echo "ITC 250/CPET 499 Web Systems: ".func_num_args(). "Number of arguments.<br>";
$args = func_get_args();
for($i = 0; $i < count($args); $i++){
    echo "Passed arguments: {args[$i]} <br>";
}
}
func_dynamic(5, 4, 3, 2, 1 );
?>
</body>
</html>
```

Oct. 20, 2015

Web Related Variable