Foundations to Get You Started

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Slides Link:
http://www.TreelineDesign.com/slides

How this talk will work:

- You can ask questions at any time.
- Code will build from slide to slide, but due to space constraints, we can't show it all on one slide
- The code being shown is for teaching use only, it is not optimized in any way. It should not be used as is for a live system.

Who am I?

- Beth Tucker Long (@e3betht)
- Editor-in-Chief - php[architect] magazine
- Freelancer under Treeline Design, LLC
- Stay-at-home-mom

- User group organizer – Madison PHP

Get Involved

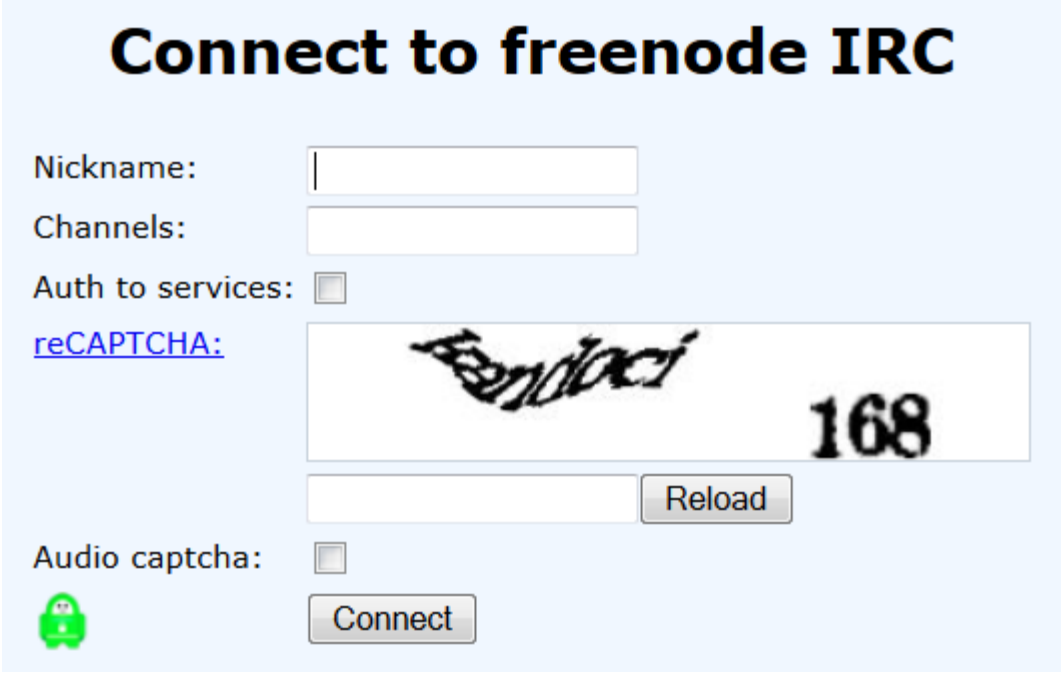
- User Groups
  - PHP.usergroups – http://php.ug
  - Meetup- http://www.meetup.com
  - Nomad PHP - http://nomadphp.com
  - php.net (right sidebar on homepage and http://php.net/cal.php)

Get Involved

- Conferences and Summits
  - Day Camp 4 Developers - http://daycamp4developers.com/
  - php[architect] Summit Series - http://summits.phparch.com/
  - ProTalk - http://protalk.me/
  - Joind.in - http://joind.in/

Get Involved and Find Help

- IRC – Freenode
  - ##php – help channel
  - #phpc – community channel
  - Web chat: https://webchat.freenode.net/



Get Involved and Find Help

- Twitter
  - https://twitter.com/phpc
- Facebook
  - PHP Community - https://www.facebook.com/groups/4189052132/
  - php[architect] - https://www.facebook.com/phparch
- PHPDeveloper - http://phpdeveloper.org/

Online Training

- php[architect] - http://www.phparch.com/training/
- Code Academy - http://www.codecademy.com/tracks/php

Find a Mentor

- PHP Mentoring
  http://phpmentoring.org/

- PHPWomen
  http://phpwomen.org/

Getting Started

- Start with your standard HTML
- **Opening PHP tag**
- **PHP code**
- **Closing PHP tag**
- Close out your HTML page

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
    Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
    transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
    xml:lang="en" lang="en">
<head><title>Order Some Pizza</title></head>
<body>

<h1>Welcome to Joe's Pizza!</h1>

<?php

    $name = "Beth";
    echo "<p>$name's order:</p>";

?>

</body></html>
```

Start with Standard HTML

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
  Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
  transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
  xml:lang="en" lang="en">
<head><title>Order Some Pizza</title></head>
<body>

<h1>Welcome to Joe's Pizza!</h1>
```

Opening PHP tag

```
<?php
```

Short Opening PHP tag

```
<?
```

PHP code

```
$name = "Beth";
```

Variables:

- Preceded by a dollar sign - $
- Names may contain letters, numbers, and underscores, but must start with a letter or underscore
- Loosely-typed
- Assigned a value using the equal sign

PHP code

```
$name = "Beth";

echo "<p>$name's order:</p>";
```

Will send to the browser:

```
<p>Beth's order:</p>
```

Quoting Strings

Double-quoted, parsed and interpreted:

```
echo "<p>$name said, \"Let's Go!\"</p>";

echo "Enter it at the C:\ prompt";
echo "Enter it at C:\\$dirName";
```

Single-quoted, string literal, not parsed:

```
echo '<p>$name said, "Let\'s Go!"</p>';

echo 'Enter it at the C:\ prompt';
echo Enter it at C:\$dirName';
```

Quoting Strings

Heredoc, parsed and interpreted:

```
echo <<<MYSTRING
<p>$name said, "Let's Go!"</p>
MYSTRING;
```

Nowdoc, string literal, not parsed, since PHP 5.3.0:

```
echo <<<'MYSTRING'
<p>$name said, "Let's Go!"</p>
MYSTRING;
```

Closing PHP tag - Optional

```
?>
```

Close out your HTML page

```
</body></html>
```

Echo'ing and HTML

```
echo "<p>Welcome, $name!<br />
<em>Thank you</em> for visiting $sitename
  today.</p>";
```

Echo'ing and HTML

```
<p>Welcome, <?php echo "$name"; ?>! Thank you
  for visiting <?php echo "$sitename"; ?>
  today.</p>
```

If you have PHP 5.4.0+ or the short_open_tag configuration enabled:

```
<p>Welcome, <?="$name"?>! Thank you for
  visiting <?="$sitename"?> today.</p>
```

Making Comments

```
// This is a comment

# This is a comment

/* This is also a comment
and one you are very likely
to see in code
*/
```

Good Coding Practices

- Pear Coding Standard: http://pear.php.net/manual/en/standards.php
- Pear2 Coding Standard: http://pear.php.net/manual/en/pear2cs.php
- ZF2 Coding Standard: http://framework.zend.com/wiki/display/ZFDEV2/Coding+Standards
- phpDocumentor: http://www.phpdoc.org/

Math

```
$a = $a + 3;
$a += 3;
$a++;

$a = $a – 3;
$a -= 3;
$a--;

$a = $a * 2;
$a *= 2;

$a = $a / 2;
$a /= 2;
```

Let's Make Something

- Order form to order a pizza
  - Customer name
  - Size of pizza
  - Allow multiple topping choices
  - Printable receipt

The Order Form

- We'll create a form that looks like this:

Name:

Choose a Size:

o Small

o Medium

o Large

Add Toppings:

☐ Mushrooms ☐ Extra Cheese

☐ Green Peppers ☐ Pepperoni

☐ Black Olives ☐ Sausage

Place Order

Opening Form Tag and Text Field

```
<form action="./orderPizza.php" method="POST">
```

Name:

```
<p>Name: <input type="text" name="custName"
  maxlength="200"/></p>
```

Radio Buttons

Choose a Size:

o Small

o Medium

o Large

```
<p>Choose a Size:<br />
<input type="radio" name="pizzaSize"
  value="Small" /> Small<br />
<input type="radio" name="pizzaSize"
  value="Medium" /> Medium<br />
<input type="radio" name="pizzaSize"
  value="Large" /> Large</p>
```

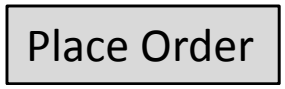
Checkboxes

Add Toppings:

☐ Mushrooms ☐ Extra Cheese
☐ Green Peppers ☐ Pepperoni
☐ Black Olives ☐ Sausage

```
<input type="checkbox" name="Mushrooms"
  value="Yes" /> Mushrooms<br />
<input type="checkbox" name="GreenPeppers"
  value="Yes" /> Green Peppers<br />
<input type="checkbox" name="BlackOlives"
  value="Yes" /> Black Olives <br />
<input type="checkbox" name="ExtraCheese"
  value="Yes" /> Extra Cheese<br />
<input type="checkbox" name="Pepperoni"
  value="Yes" /> Pepperoni<br />
```

Input Field



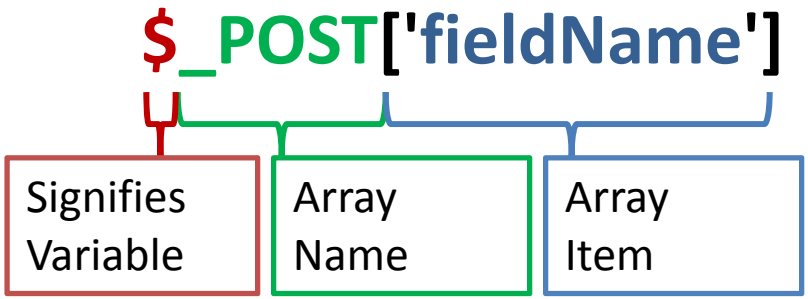

```
<input type="submit" name="pizzaStatus"
  value="Place Order" />
```

Closing the form

```
</form>
```

What We Get

- A superglobal
- POST or GET
- Everything is a string
- An array



Two Types of Arrays

- Enumerated: $arrayName[]
  - $arrayName[0]
  - $arrayName[1]

- Associative: $arrayName[stringName]
  - $custInfo['firstName']
  - $custInfo['lastName']

Using Built-in Functions

```
functionName($parameter1, $parameter2)
```

Creating Arrays

- Enumerated:

```
$arrayName = array("firstValue",
"secondValue");

$arrayName[] = "thirdValue";

echo $arrayName[1];
// secondValue
```

Creating Arrays

- Associative:

```
$custInfo= array ("firstName" => "Beth",
"lastName" => "Tucker Long");

$custInfo["twitterHandle"] = "e3betht";

echo $custInfo["lastName"] ;
//  Tucker Long
```

Quoting Arrays

```
echo "First item: $_POST[0]";

{$_POST['custName']}
.$_POST['pizzaSize'].

echo "<p>This order is for
{$_POST['custName']}</p>
<p>Size: ".$_POST['pizzaSize']."</p>";
```

Nested Arrays

A nested array:

```
$_POST = array(
     "custInfo" => array(
          "firstName" => "Beth",
          "lastName" => "Tucker Long"
     );

echo $_POST['custInfo']['lastName'];
// Tucker Long
```

What We Are Currently Getting

- $_POST['custName']
- $_POST['pizzaSize']
- $_POST['pizzaStatus']
- $_POST['Mushrooms']
- $_POST['ExtraCheese']
- $_POST['GreenPeppers']
- $_POST['Pepperoni']
- $_POST['Black Olives']
- $_POST['Sausage']

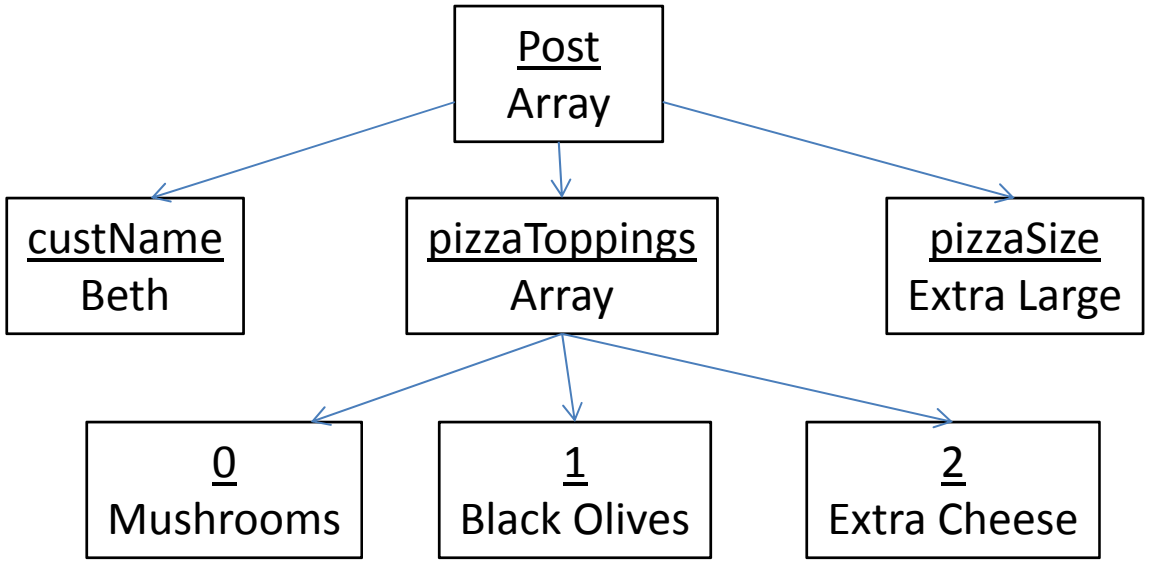
Revised: Adding an Input Array

```
<input type="checkbox" name="pizzaToppings[]"
  value="Mushrooms" /> Mushrooms<br />

<input type="checkbox" name="pizzaToppings[]"
  value="Green Peppers" /> Green Peppers<br />

<input type="checkbox" name="pizzaToppings[]"
  value="Black Olives" /> Black Olives<br />

<input type="checkbox" name="pizzaToppings[]"
  value="Extra Cheese" /> Extra Cheese<br />

<input type="checkbox" name="pizzaToppings[]"
  value="Pepperoni" /> Pepperoni<br />

<input type="checkbox" name="pizzaToppings[]"
  value="Sausage" /> Sausage</p>
```

Revised: What we get

The variables from our form:

- $_POST['custName']
- $_POST['pizzaSize']
- $_POST['pizzaToppings']
- $_POST['pizzaStatus']



Displaying Arrays

```
print_r($arrayName);
Array
(
      [0] => firstValue
      [1] => secondValue
      [2] => thirdValue
)
```

Displaying Arrays

```
var_dump($custInfo);

array(3) {
     ["firstName"]=> string(4) "Beth"
     ["lastName"]=> string(11) "Tucker Long"
     ["twitterHandle"]=> string(7) "e3betht"
}
```

while Loop

```
// count($arrayToCount);

$n = 0;
while($n < count($_POST['pizzaToppings']))  {
      echo
      "<li>{$_POST['pizzaToppings'][$n]}</li>";
      $n++;
}
```

for Loop

```
for($n = 0; $n < count($_POST['pizzaToppings']); $n++;) {
	echo "<li>$_POST['pizzaToppings'][$n]</li>";
}
```

foreach Loop

```
foreach($_POST['pizzaToppings'] as $topping) {
      echo "<li>$topping</li>";
}
```

Associative foreach Loop

```
foreach($_POST['custInfo'] as $label => $value) {
	echo "$label: $value<br />";
}
```

Displaying the Pizza Choices

```
echo "<p>This order is for
{$_POST['custName']}</p>
<p>Size: ".$_POST['pizzaSize']."</p>
<p>Toppings:</p><ul>";
foreach($_POST['pizzaToppings'] as $topping)
{
     echo "<li>$topping</li>";
}
echo "</ul>";
```

Reordering the Toppings

```
sort($_POST['pizzaToppings'];
echo "<p>Toppings:</p><ul>";
foreach($_POST['pizzaToppings'] as $topping)
{
     echo "<li>$topping</li>";
}
echo "</ul>";
```

Notes on Sorting

```
$pictures = array("img1", "img20", "img5",
"img10", "img3");

sort($pictures);
print_r($pictures);
```

```
Array (
        [0] => img1
        [1] => img10
        [2] => img20
        [3] => img3
        [4] => img5
)
```

Sorting Naturally

With PHP 5.4.0+:

```
$pictures = array("img1", "img20", "img5",
"img10", "img3");

sort($pictures, SORT_NATURAL);
print_r($pictures);
```

```
Array (
        [0] => img1
        [1] => img3
        [2] => img5
        [3] => img10
        [4] => img20
)
```

Sorting Naturally

With PHP 5.4.0+:

```
sort($place);
print_r($place);
```

```
Array (
        [0] => Greece
        [1] => Malaysia
        [2] => US
        [3] => Uganda
)
```

```
sort($place,
SORT_NATURAL);
print_r($place);
```

```
Array (
        [0] => Greece
        [1] => Malaysia
        [2] => Uganda
        [3] => US
)
```

Sorting with Keys

```
$winners = array("first" => "blue", "second"
=> "green", "third" => "purple");

sort($winners);
print_r($winners);
```

```
Array (
        [0] => blue
        [1] => green
        [2] => purple
)
```

Keeping Keys

```
$winners = array("first" => "blue", "second"
=> "green", "third" => "purple");

asort($winners);
print_r($winners);
```

```
Array (
        [third] => blue
        [first] => green
        [second] => purple
)
```

Sorting Keys

```
$winners = array("first" => "green",
"second" => "purple", "third" => "blue");

ksort($winners);
print_r($winners);
```

```
Array (
        [first] => green
        [second] => purple
        [third] => blue
)
```

Making Decisions

- Only display form when ordering pizza
- Afterwards, display only the receipt

Comparison Operators

```
==   Checks if the value of the two is the
  same
===  Checks if the value and data type of
  the two is the same
<    Less than
<=   Less than or equal to
>    Greater than
>=   Greater than or equal to
```

Logical Operators

```
&&    both operands are true (AND)
||    at least one operand is true (OR)
XOR   exactly one operand is true
```

if

```
if ($_POST['pizzaStatus'] == "Place Order")
  {
  // Code to be executed
}
```

if-else

```
if ($_POST['pizzaStatus'] == "Place Order")
  {
  // Code to be executed
} else {
  // Code to be executed
}
```

if-elseif-else

```
if ($_POST['pizzaStatus'] == "Place Order")
  {
  // Code to be executed
} elseif ($_POST['pizzaStatus'] ==
  "Continue") {
  // Code to be executed
} else {
  // Code to be executed
}
```

Ternary Operator

```
$result =
($_POST['pizzaStatus'] == "Place Order") ? true : false;
```

Decision Code

```
if ($_POST['pizzaStatus'] == "Place Order") {
   echo "<p>This order is for {$_POST['custName']}</p>
   <p>Size: ".$_POST['pizzaSize']."</p>
   <p>Toppings:</p><ul>";

   foreach($_POST['pizzaToppings'] as $topping)  {
       echo "<li>$topping</li>";
   }

   echo "</ul>";
}
else {
   // Form code
}
```

Loop Uh-oh

Warning: Invalid argument supplied for foreach() in **/your/dir/path/file.php** on line **6**

```
foreach($_POST['pizzaToppings'] as $topping)
{
     echo "<li>$topping</li>";
}
```

Corrected Loop

```
if(is_array($_POST['pizzaToppings']) {
     foreach($_POST['pizzaToppings'] as
          $topping)  {
          echo "<li>$topping</li>";
     }
}

if(count($_POST['pizzaToppings']) > 0) {
```

Validation

```
if (strlen($_POST['custName']) < 1) {
  $errorMessages[] = "Please enter your Name.";
}

if(count($_POST['pizzaToppings'] < 1) {
  $errorMessages[] = "Please choose at least
  one topping.";
}
```

Validation

Besides incomplete submissions, we also always want to avoid malicious submissions.

```
$_POST['custName'] =
  htmlentities($_POST['custName']);


if(!ctype_alpha($_POST['pizzaSize'])) {
   $errorMessages[] = "Please choose a Size.";
}
```

Validation

```
if (is_array($_POST['pizzaToppings'])) {
  $checkToppings = implode("a",$_POST['pizzaToppings']);

  $checkToppings = str_replace(" ","a", $checkToppings);

  if(!ctype_alpha($checkToppings)) {
       $errorMessages[] = "Please choose some
  Toppings.";
  }
}

if(!ctype_alpha(str_replace(" ","a",
  implode("a",$_POST['pizzaToppings'])))) {
```

Basic Security

Validate input; Escape output.

Common Attacks

- Cross-site Scripting (XSS)
- Cross-site Request Forgery (CSRF)
- Injection

Basic Security

OWASP Top Ten Project:
https://www.owasp.org/index.php/Category:OWASP_Top_Ten_Project

Failure Happens

When a validation test fails, make it easy for your user to fix it (Check for malicious submissions, but always treat your users as though it were an accident).

```
if ($_POST['pizzaStatus'] == "Place Order")
   {
   //All our validation tests here
   if(is_array($errorMessages)) {
        echo "<ul>";
        foreach($errorMessages as $message)
   {
                echo "<li>$message</li>";
        }
        echo "</ul>";
        //Form Code Goes Here
   }
   else {
        //Confirmation Code Goes Here
   }
}
else {
   //Form Code Goes Here
}
```

Returning the Form with Data

```
<p>Name: <input type=\"text\" name=\"custName\"
  maxlength=\"200\" value=\"$custName\" /></p>
```

Returning the Form with Data

```
<p>Choose a Size:<br />
<input type=\"radio\" name=\"pizzaSize\"
  value=\"Small\" ";
if($pizzaSize == "Small") { echo "checked "; }
echo "/> Small<br />";
```

Returning the Form with Data

```
<p>Add Additional Toppings:<br />
<input type=\"checkbox\"
  name=\"pizzaToppings[]\" value=\"Mushrooms\"
  ";
if(in_array("Mushrooms",$pizzaToppings)) { echo
  "checked "; }
echo "/> Mushrooms<br />";
```

Aside

```
echo "<textarea>$data</textarea>";


echo "<select name="choice">
<option value=\"Yes\"";
if($_POST['choice'] == "Yes") {
  echo " selected";
}
echo "> Yes</option>";
```

Highlight Fields

```
if (strlen($_POST['custName']) < 1) {
  $errorFields[] = "custName";
  $errorMessages['custName'] = "Please enter your
  Name.";
}
if(in_array("custName", $errorFields) {
  echo "<p
  class=\"error\">{$errorMessages['custName']}<br
  />";
} else {
  echo "<p>";
}
echo "Name: <input type=\"text\" name=\"custName\"
  maxlength=\"200\" value=\"$custName\" /></p>";
```

Highlight Fields

```
if (strlen($_POST['custName']) < 1) {
  $errorMessages['custName'] = "Please enter your
  Name.";
}
if(array_key_exists("custName", $errorMessages) {
  echo "<p
  class=\"error\">{$errorMessages['custName']}<br
  />";
} else {
  echo "<p>";
}
echo "Name: <input type=\"text\" name=\"custName\"
  maxlength=\"200\" value=\"$custName\" /></p>";
```

Lots of Redundancy

```
if ($_POST['pizzaStatus'] == "Place Order") {
  //Validation test
  //Validation test
  //Validation test
  if(is_array($errorMessages)) {
      …
      //Form Code
  }
  else {
      //Confirmation Code Goes Here
  }
}
else {
  //Form Code
}
```

Reducing Redundancy

```
function checkIfBad($fieldName) {
    if (strpos($_POST[$fieldName],"=") === false) {
        if (strpos($_POST[$fieldName],"<") === false) {
            if (strlen($_POST[$fieldName] > 0)) {
                return true;
            }
            else {
                return false;
            }
        }
        else {
            return false;
        }
    }
    else {
        return false;
    }
}
```

Reducing Redundancy

```
if (checkIfBad("custName")) {
    $errorMessage[] = "custName message";
}

if (checkIfBad("pizzaSize")) {
    $errorMessage[] = "pizzaSize message";
}
```

Reducing Redundancy

Create the function:

```
function displayForm($custName, $pizzaSize,
  $pizzaToppings) {
      //echo Form code Here
}
```

And then use it whenever you need it:

```
else {
  displayForm($_POST['custName'], $_POST['pizzaSize'],
  $_POST['pizzaToppings']);
}
```

Quick Note on Scope

Variables are passed in "by value" by default:

```
function changeNumber($myNumber) {
    $myNumber = 5;
}

$myNumber = 11;

changeNumber($myNumber);

echo $myNumber;
// 11
```

Passing by Reference

```
function changeNumber(&$myNumber) {
    $myNumber = 5;
}

$myNumber = 11;

changeNumber($myNumber);

echo $myNumber;
// 5
```

Required Parameters

```
function changeNumber(&$myNumber, $changeTo) {
        $myNumber = $changeTo;
}
$myNumber = 11;

changeNumber($myNumber);
```

Warning: Missing argument 2 for changeNumber(), called in /your/file/path/file.php on line 9 and defined in **/your/file/path/file.php** on line **3**

Optional Parameters

```
function changeNumber(&$myNumber, $changeTo = 5) {
        $myNumber = $changeTo;
}
$myNumber = 11;

changeNumber($myNumber);
echo $myNumber;
// 5

changeNumber($myNumber, 7);
echo $myNumber;
// 7
```

A Few More Functions

- **strtoupper($string)**
  echo strtoupper("this is my phrase");
  // THIS IS MY PHRASE

- **strtolower($string)**
  echo strtolower("HELLO");
  // hello

- **substr($string, $start, $length)**
  echo substr("the quick fox", 4, 5);
  // quick
  echo substr("the quick fox", -3);
  // fox

A Few More Functions

- **trim($string)**

```
echo trim("       phrase");
// phrase
```

- **str_word_count($string, $format, $charlist)**

```
echo str_word_count("the quick fox",0);
// 3
var_dump(str_word_count("quick fox", 1));
// array(2) { [0]=> string(5) "quick" [1]=> string(3) "fox" }
echo str_word_count("ab lsab lsab 12 45",0);
// 3
echo str_word_count("ab lsab lsab 12 45",0,"45");
// 4
```

Printable receipt

- Nice format for printing
- No header/footer graphics

Accessing the Data

Sessions:

- Server-side
- Less picky on header timing

Cookies:

- Client-side
- Must occur before headers are sent

Both:

- Allow data to be stored by one script and accessed by another
- Accessible via superglobal array

Using Sessions

Place this at the very top of your page:

```
session_start();
```

This must occur before headers are sent. Things that will send the headers:

- the HTML declarations
- Whitespace
- echo'ing anything

Using Sessions

In our script, add this below the confirmation code:

```
$_SESSION['custName'] = $_POST['custName'];
$_SESSION['pizzaSize'] = $_POST['pizzaSize'];
$_SESSION['pizzaToppings'] = $_POST['pizzaToppings'];
```

Faster, but could cause security concerns:

```
$_SESSION['data'] = $_POST;
//$_SESSION['data']['pizzaToppings']
```

Using Sessions

Place this where you want the print link to display:

```
echo "<a href=\"printReceipt.php\">Printable
   Receipt</a>";
```

Script for Printing

```
<?php
   session_start();

   echo "<p>This order is for {$_SESSION['custName']}</p>
   <p>Size: ".$_SESSION['pizzaSize']."</p>
   <p>Toppings:</p><ul>";
   if(is_array($_SESSION['pizzaToppings'])) {
       foreach($_SESSION['pizzaToppings'] as $topping)  {
              echo "<li>$topping</li>";
       }
   }
   echo "</ul>";
?>
```

Got cookies?

Order form code needs to be reorganized so that the validation occurs before any HTML is outputted to the browser. Then add:

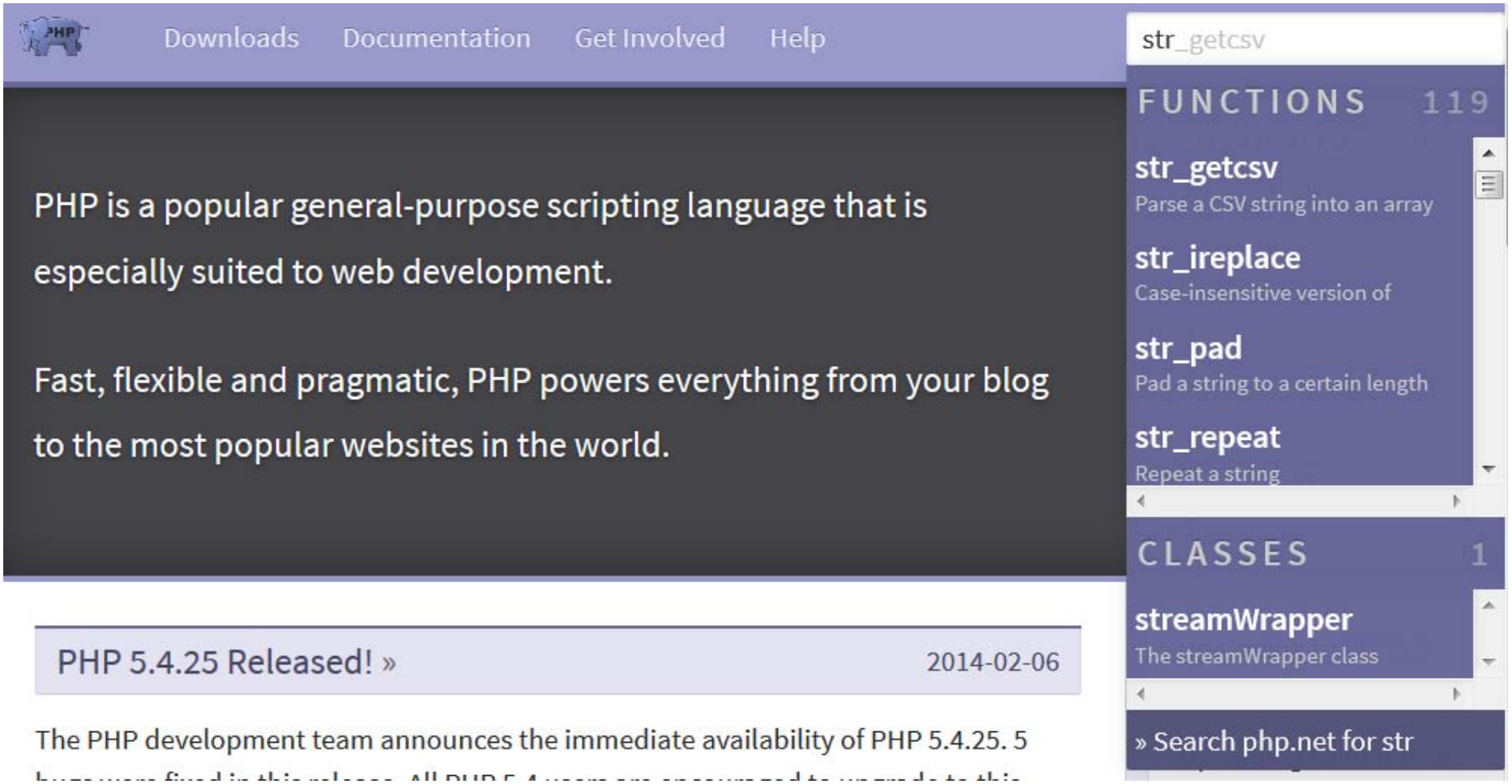
```
setcookie("custName", $_POST['custName']);
setcookie("pizzaSize", $_POST['pizzaSize']);
setcookie("pizzaToppings",
  serialize($_POST['pizzaToppings']);
```

Got cookies?

Your print script is updated to:

```
<?php
   echo "<p>This order is for {$_COOKIE['custName']}</p>
   <p>Size: ".$_COOKIE['pizzaSize']."</p>
   <p>Toppings:</p><ul>";
   $pizzaToppings =
   unserialize(stripslashes($_COOKIE['pizzaToppings']));
   if(is_array($pizzaToppings)) {
      foreach($pizzaToppings as $topping)  {
         echo "<li>$topping</li>";
      }
   }
   echo "</ul>";
?>
```

php.net



Or, go directly to: http://www.php.net/strlen

Function Pages

strlen

Change language: English

(PHP 4, PHP 5)

Edit Report a Bug

strlen — Get string length

Description

```
int strlen ( string $string )
```

Returns the length of the given **string**.

Parameters

string

The string being measured for length.

Return Values

The length of the **string** on success, and `0` if the **string** is empty.

Changelog

Version	Description
5.3.0	Prior versions treated arrays as the string *Array*, thus returning a string length of *5* and emitting an `E_NOTICE` level error.

Examples

Example #1 A strlen() example

```php
<?php
$str = 'abcdef';
echo strlen($str); // 6

$str = ' ab cd ';
echo strlen($str); // 7
?>
```

Notes

Note:
strlen() returns the number of bytes rather than the number of characters in a string.

See Also

- count() - Count all elements in an array, or something in an object
- mb_strlen() - Get string length

User Contributed Notes 10 notes

add a note

▲ 22 ▼ tux at tax dot tox 1 year ago

```
Attention with utf8:
$foo = "bär";
strlen($foo) will return 4 and not 3 as expected..
```

Common Problems

Parse error: syntax error, unexpected '{' in /your/path/file.php on line 7

```
if(empty($myVar) {
        echo "This is empty!";
}
```

Common Problems

Parse error: syntax error, unexpected T_STRING, expecting ',' or ';' in /your/path/file.php on line 18

```
echo "Hello;
echo "Hi Again";
if ($this === $that) {
        echo "Hi a third time";
}
```

Common Problems

```
$myVar = 5;

if ($myVar = "10") {
        echo "They match!";
} else {
        echo "Try Again.";
}

//Always outputs "They match!"
```

Yoda Syntax

```
$myVar = 5;


if ("10" = $myVar) {
        echo "They match!";
} else {
        echo "Try Again.";
}
```

Parse error: syntax error, unexpected '=' in **/your/path/file.php** on line **5**

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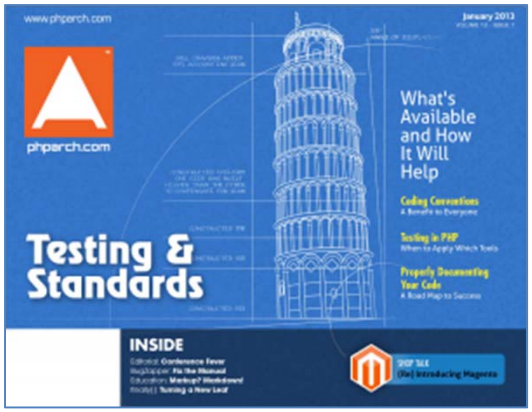

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