Lecture 9

Querying Client Information
Forms and Passing Data,

* Course logo spider web photograph from Morguefile openstock photograph by Gabor Karpati, Hungary.
PHP Resources 2

Your first PHP-enabled page

Create a file named `hello.php` and put it in your web server's root directory (DOCUMENT_ROOT) with the following content:

```php
<html>
<head>
<title>PHP Test</title>
</head>
<body>
<?php echo '<p>Hello World</p>'; ?>
</body>
</html>
```
PHP Example 03
You are always known?

CT 310 PHP Example 03

Stalking 101, your Browser.

How do you like Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_3) AppleWebKit/601.4.4 (KHTML, like Gecko) Version/9.0.3 Safari/601.4.4

A different way to stalk, using if/else statements:
Safari, huh? Is that like saying the Internet is a jungle? Ha! That's so not really funny...

Safari, huh? Is that like saying the Internet is a jungle? Ha! That's so not really funny...

PHP has many built in functions, like strpos(), which searches strings. You can find out more about them by visiting PHP QuickRef.

Oh, by the way, ::1 is a nice IP Address.

What to say when the music is over ...
The global variable array \$_SERVER provides information primarily about the server, but also some information passed back by the client.

```php
<?php
    echo "<div class="contents"></div>
    ;
    echo " <h3 align="center">Stalking 101, your Browser.</h3></div>
    ;
    //global variable array
    $browser = \$_SERVER["HTTP_USER_AGENT"];
    echo " <p>How do you like $browser</p>
    ;
    echo " <hr />
    ;
    echo " <p>A different way to stalk, using if/else statements: <br /></p>
    ;
```
PHP has standard control logic – if/elseif/else.
Querying for substring inclusion is provided.

```php
//If/elseif/else statements
if (strpos($browser, 'Firefox') !== FALSE) {
    echo " You are using Mozilla. How do you like that Firey Fox of awesome?</p>

elseif (strpos($browser, 'MSIE') !== FALSE) {
    echo " You are using the devil of web browsers. Please download something better, like Mozilla.</p>

else if (strpos($browser, 'Safari') !== FALSE) {
    echo " Safari, huh? Is that like saying the Internet is a jungle? Ha! That's so not really funny...</p>

else {
    echo " So your browser's too cool for me to know, eh? Pfft, more like 'uncool'.</p>

```
PHP also has the more compact switch statement.

Also note the `REMOTE_ADDR` element in the $_SERVER array used to get the clients IP address.

```php
//Case Switching is a little easier
switch($browser) {
    case "Mozilla":
        echo "<p>You are using Mozilla. How do you like that Firey Fox of awesome?</p>\n";
        break;
    case "Internet Explorer":
        echo "<p>You are using the devil of web browsers. Please download something better, like Mozilla.</p>\n";
        break;
    case "Safari":
        echo "<p>Safari, huh? Is that like saying the Internet is a jungle? Ha! That's so not really funny...</p>\n";
        break;
    default:
        echo "<p>So your browser's too cool for me to know, eh? Pfft, more like 'uncool'.</p>\n";
}
echo "<p>PHP has many built in functions, like strpos(), which searches strings.</p>\n";
echo "You can find out more about them by visiting</p>\n";
echo "<a href="http://www.php.net/quickref.php">PHP QuickRef</a>.\n</p>\n";
$ipaddr = $_SERVER['REMOTE_ADDR'];
echo "<p>Oh, by the way. $ipaddr is a nice IP Address.</p>\n";
echo '</div>';"
**An Aside: Reverse DNS**

![Reverse DNS Screenshot](img.png)

### WHOIS-RWS

<table>
<thead>
<tr>
<th>Network</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>NetRange</td>
<td>129.82.0.0 - 129.82.255.255</td>
</tr>
<tr>
<td>CIDR</td>
<td>129.82.0.0/16</td>
</tr>
<tr>
<td>Name</td>
<td>CSUNET</td>
</tr>
<tr>
<td>Handle</td>
<td>NET-129-82-0-0-1</td>
</tr>
<tr>
<td>Parent</td>
<td>NET129 (NET-129-0-0-0-0)</td>
</tr>
<tr>
<td>Net Type</td>
<td>Direct Assignment</td>
</tr>
<tr>
<td>Origin AS</td>
<td>AS12145</td>
</tr>
<tr>
<td>Organization</td>
<td>Colorado State University (CSU-2)</td>
</tr>
<tr>
<td>Registration Date</td>
<td>1987-10-11</td>
</tr>
<tr>
<td>Last Updated</td>
<td>2009-08-03</td>
</tr>
</tbody>
</table>

**RELEVANT LINKS**

- ARIN Whois/Whois-f
- Terms of Service
- Whois-RWS API documentation
- ARIN Technical Discussion Mailing List
- Sample stylesheet

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CSU CT 310 Web Development ©Ross Beverige
Getting Variables

GET vs. POST

- GET sends data in the URL, where everyone can see it
- POST passes information behind the scenes
- REQUEST essentially a merge of GET and POST responses.
- Mostly used for forms, variables, etc
Forms

- Field types:
  - checkbox, file, hidden, password, radio, reset, submit, text

- Also:
  - select, option, textarea

- Action
  - where you want it to go/a script you want it to run

- Method = get/post
PHP Example 04

CT 310 PHP Example 04

Forms & Data.

Put in a passion of yours: 

That ... That ... That's all Folks ...

```html
<br />
<form action="ct310phpex04ans.php?browser=Mozilla" method="post">
  <input type="text" size="20" name="passion" />
  <input type="submit" />
</form>

<!-- Start of included footer -->
<p align="center">That ... That ... That's all Folks ...</p>
</html>
```
Pay attention to the browser query!

```php
<?php
    $exNumText = '04';
    include 'ct310phpxHeader.php';
?>

<div class="header">
    <h2>CT 310 PHP Example <?php echo $exNumText; ?> </h2>
</div>

<?php
    $browser = $_SERVER['HTTP_USER_AGENT'];
    if (strpos($browser, 'Firefox') !== FALSE) { $browser = 'Mozilla'; }
    elseif (strpos($browser, 'MSIE') !== FALSE) { $browser = 'Internet Explorer'; }
    elseif (strpos($browser, 'Safari') !== FALSE) { $browser = 'Safari'; }
    else { $browser = "Unknown"; }

    if ($browser == 'Mozilla') {
        echo "<p>Put in a passion of yours:</p>";
        echo "<input type="text" size="20" name="passion"/>
        <input type="submit"/>
    }
</form>
</div>

<?php include 'ct310phpxFooter.html'; ?>
```
See in this older version above a different approach to when to start/stop PHP.
CT 310 PHP Example 04ans

Reading Responses - using Request

Notice the URL and the browser="" part.
The URL tells me that you're using Mozilla.

Using Post

Your passion in life is Firesign Theater.
PHP Example 04

Using Post
Your passion in life is Firesign Theater.

Using Get
Get passes variables to other variables to cool places

Search
Google
Red Panda
Submit Query

That ... That ... That's all Folks ...
PHP Example 04

Google search for Red Panda

Red Panda

Results 1 - 10 of about 1,860,000 for Red Panda [definition]. (0.18 seconds)

Phantom™ Power Screens
www.phantomscreens.com Retractable Screening Solutions™ for garage doors and oversized opening.

Image results for Red Panda

The Red Panda
Symbolically adopt a Red Panda with WWF. Plush Animal included.
www.worldwildlife.org/adopt