**Week 1, Intro to Server Side Web Development in PHP.  –**

Things to do this week:

* The Course
  + Read the syllabus for the course.
  + Familiarize yourself with this web site.
  + Locate a computer system on which you can complete the labs for the course. You can use the CIT Main Lab or a machine of your own. You'll need: web server software (I'll demonstrate Apache in class. Most of you will use Apache on our laptops or your own laptop), a php interpreter configured to work with your web server. a text editor (we'll use Notepad++ in class) and a browser (we'll use Chrome in class).
* Reading Quiz 1 - Intro to Server Side Development.
  + Read the lecture notes - Intro to Server Side Development.
  + Read chapter 1 and the appendix that corresponds to your operating system in the text.
  + Complete Reading Quiz 1.

**Lab 1 Instructions –**

The objective of this lab is to introduce you to server side web development.

**Part 1: Web development technologies**

Briefly describe each of the following technologies that are used in web development:

* XHTML
* CSS
* HTML 5
* Client-side JavaScript
* Flash / Action Script
* PHP
* MySQL
* “Classic ASP”
* ASP.NET
* CGI
* Java Servlets and JSP
* Drupal
* Joomla
* WordPress

Use your responses to add ONE post or comment to an existing post in the lab 1 forum.

**Part 2: Install and/or configure and/or use web server software and PHP**

Prepare your “web development workstation” at home and/or in the CIT Main lab. Software installation and configuration instructions are provided in appendix of your textbook. The usage of Apache and the creation of simple PHP scripts was demonstrated in class and is described in this week’s lecture notes.

1. Create a directory in which to store your server side scripts for this class. This folder should be located in the root web site folder for your web server.
2. Test your installation and configuration by creating 3 web pages containing PHP script given below.
3. Complete exercises 1-1, 1 -2 and either 1-3 or 1-4 on pages 42 - 44 of your text.
4. Post all web pages to your folder on citstudent.lanecc.net. Submit the URL for your solution in the lab 1 assignment in moodle.

**Lab1a.php – Should display one line of output**  
  
<?php

echo “This is a test”;

?>  
  
**Lab1b.php – Should display lots of information about your web server and PHP installation.**  
  
<?php

// phpinfo() is a predefined function in php  
phpinfo();

?>  
  
  
**Lab1Form.php – The input form for Lab1COutput.php.**  
  
<html>  
<body>  
<h1>This page gets input from the user</h1>  
<form id="page1" name="page1" method="post" action="lab1cOutput.php">  
<table>  
<tr>  
<td>Your Name: </td>  
<td><input type="text" id="studentName" name="studentName" /></td>  
</tr>  
<tr>  
<td>Your Favorite Teacher: </td>  
<td><input type="text" id="teacherName" name="teacherName" /></td>  
</tr>   
<tr>  
<td>Your Favorite Programming Language: </td>  
<td><input type="text" id="progLanguage" name="progLanguage" /></td>  
</tr>  
<tr>  
<td><input type="submit" id="submit" name="submit" value="Echo Input" /></td>  
<td><input type="reset" id="reset" name="reset" value="Clear" /></td>  
</tr>  
</table>  
</form>  
</body>  
</html>  
  
**Lab1Coutput.php – Should echo your form input from lab1cform.php.**  
  
<?php

/\* $\_POST is an array (set of values with one name and lots of data) that stores the data supplied by the user in a form. The "key" or index in the array is the name attribute in html form.  
\*/  
echo $\_POST["studentName"] . "<br />";  
echo $\_POST["teacherName"] . "<br />";  
echo $\_POST["progLanguage"] . "<br />";

?>

**In class section**

* Post your solution to part 2 to citstudent.lanecc.net.
* Submit a link to your pages in moodle.