**Week 3, Syntax Basics. Control Structures. Getting and Validating Input from the User. –**

Things to do this week:

* Reading Quiz 3 - Chapters 7, 8 and 9.
  + Read the lecture notes - Syntax Basics 1.
  + Read chapters 7, 8 and 9.
  + Complete Reading Quiz 3.
* Lab 3
  + Download and unzip the starting files - Syntax Basics 1.
  + Read the description of Lab 3.
  + Solve each of the problems as described in the lab.
  + Participate in the forum - Lab 3 Questions as necessary.
  + Submit lab 3.

**Lab 3 Instructions –**

The objective of this lab is to continue to introduce you to the syntax of the PHP language as well as to familiarize you with the kinds of processing that typically happen in a server side application.  Specifically, this lab allows you to practice with validating data from the user and using control statements.  This information is provided in chapters 7, 8 and 9 of your text.

Completing all problems will earn a maximum of 20 points.

1. Complete exercise 7 - 1 on page 231 of the text.
2. Complete exercise 8 - 1 on page 259 of the text.
3. Complete exercise 8 - 2 on page 260 of the text.
4. Complete exercise 9 - 1 on page 291 of the text.
5. Modify exercise 9 - 1 to include more robust data validation.  EXTRA CREDIT:  Use a regular expression to validate the phone number.  Valid phone numbers can be either 7 or 10 characters, must include - between sections, might or might not have spaces and/or parentheses.
6. Modify exercise 7 - 1 to include more robust data validation.  
   * EXTRA CREDIT:  Use regular expressions to validate the phone number and the password.  Passwords must be 8 to 16 characters long, must contain at least one uppercase character, one lowercase character and one digit.
   * EXTRA CREDIT:  Display an error message for EACH error that occurs on the page next to the control in which the error occurred.

In class section students should:

* Post your solution to citstudent.lanecc.edu.
* Post a copy of your php files with the file extension changed to txt (rather than php).  This will allow me to look at your source code on the server.
* Submit a link to your index page in moodle.