Assignment: Getting Started with PHP

Your application will be a single index.php file with some elements in HTML and some elements in PHP. This also verifies that you can do basic HTML and know how to use the 'pre' tag as well as understand how to switch between PHP and HTML when writing a PHP script. Make sure to save your screen shots JPG or PNG files and keep them less than 1MB. You must include the URL bar in all of your screen shots and the software must be running in your PHP server (i.e. file:// urls will not be accepted)

- Your name must be in the <title> tag like 'Charles Severance PHP'
- There should be an <h1> tag with your name and text like 'Charles Severance PHP'
- You should use a <pre> tag to create ASCII art of the first letter of your name four spaces in from the left margin
- Your code should use PHP to compute the SHA256 of **your name** and print it out like the sample application. You must compute this in your index.php file. The PHP code to achieve this for 'Charles Severance' is:

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- `print hash('sha256', 'Charles Severance');`
- Open this file and copy-paste its contents into a file named **fail.php** in the same folder as your **index.php**. Do not alter this file - do **not** fix the mistake in the code in this file. The goal is to trigger an error to verify that we see errors in the browser.
- Open this file and copy-paste in the contents into a file named **check.php** in the same folder as your **index.php**.

You must run these files in your PHP server. Make a folder under your **htdocs** folder and then place your files in that file. The htdocs folder is in different locations depending on your web server:

```
XAMPP: c:\xampp\htdocs
MAMP:  /Applications/MAMP/htdocs
```

You can check the htdocs (a.k.a. DOCUMENT_ROOT) value for your server by scrolling down in your PHPInfo output. You may have changed a setting in your PHP server to move the DOCUMENT_ROOT to another location and that is OK as well.

Just make sure all the files are in a folder somewhere within DOCUMENT_ROOT and that all your testing uses **localhost** URLs like:

```
http://localhost:8888/wa4e/php/index.php
```

If you turn in screen shots with **file://** in the URL you will get zero points for the assignment.

Sample solution

You can explore a sample solution for this problem at

http://www.wa4e.com/solutions/php/

Resources

There are several sources of information so you can do the assignment:

- Lectures and materials on *Introduction to Dynamic Web Content* from www.wa4e.com
- The Wikipedia page on HTTP - Hypertext Transfer Protocol
- Chapters 23, 24, 25, and 26 from the free textbook The Missing Link: An Introduction to Web Development and Programming written by Michael Menendezand published by Open SUNY Textbooks.

What To Hand In

For this assignment you will hand in:

1. Image of your application showing the URL bar and the rest of the output.
2. Image of your application showing the URL bar and output of fail.php
3. Image of your application showing the URL bar output of check.php
4. Source code of your index.php