

Week 5 on Building Applications in PHP

In this next assignment, 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.

- 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:

```
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 folder.

Step 1: Create the PHP HTML Application

```
<!DOCTYPE html>
<html lang = "en">
<head>
<title>Amber Cubacub's PHP</title>
</head>
<body>
<h1> Amber Cubacub's</h1>
<p>The SHA256 hash of "Amber Cubacub" is <?php print hash('sha256','Amber
Cubacub'); ?></p>
<pre> ASCII ART:
      ***
    *****
  **      **
**          **
*****
*****
**          **
**          **
```

```
</pre>
<a href = "check.php"> Click here to check the error setting </a>
<br/>
<a href = "fail.php"> Click here to cause a traceback </a>
</body>
</html>
```

- In making the letter of your first name, you must follow the art of making a <pre> function of the code
- Don't forget the PHP code that uses in the instructions:
<?php print hash('sha256','Amber Cubacub'); ?>
- Make sure that you copy pasted the code of check.php and fail.php to link them

Step 2: Use here the instructions needed to submit

- Screenshot of the index.php running (use the localhost link to see your php running)
- Screenshot of Fail.php running
- Screenshot of check.php running
- Source code of the index.php

Voila!