

CMPS 3680 Lab 2

Spring 2026

Part 1 - Setup

Create a local log file by doing the following:

1. Create an empty file called error.log (you can use touch on odin)
2. Set the permissions for this file to 646 (you can use chmod on odin)

Create a lab2.php file and complete the following:

1. Define the following constants using the **define** function:
 - o **TITLE:** the title of your page
 - o **CSS:** the relative path to your style.css
 - o **LOG_FILE:** relative path to your error.log file
2. Enable logging to your own log file and turn on errors in the browser (see the example in the homework)
3. Set the global variable \$firstName to your first name

Part 2 - Generating HTML With PHP

1. Begin creating a standard website with html, head, title, and body tags
2. In the head of your HTML:
 - a. Be sure you set the page title to your TITLE constant
 - b. Be sure you set the stylesheet location to your CSS constant
3. In the body of your HTML:
 - a. Use the TITLE constant as the main header **<h1>** for our page
 - b. Use PHP if/else statement to check if **\$firstName** and **\$lastName** are defined
 - i. If they are defined, use them as our secondary header **<h2>**
 - ii. Else, use **error_log** to log the error
 - c. Generate a 10x10 multiplication table:
 - i. Create an opening **<table>** tag before you start your php code
 - ii. Use a for loop with a nested for loop in php to generate the rows and columns of your table.
 - iii. Remember, you will need a variable to track the row number and the column number
 - iv. Remember to close your **<tr>** and **<td>** tags
 - v. Create a closing **</table>** tag after your php loops are done
 - vi. Use css to format your table and make it look nice.
 - d. Include a plain text file into your page:
 - i. Download or copy/paste this file to your lab2 folder:
<https://cs.csub.edu/~paul/cs3680/labs/lorem.txt>
 - ii. Create a div with the id "lorem"
 - iii. Use php functions **file_get_contents** and **n12br** to get the text from lorem.txt with the proper spacing, and use **echo** to include it inside the div.
 - iv. Apply the following formatting to the lorem id in your style.css:

```
width: 70%;
height: 150px;
margin: 50px auto;
padding: 5px;
border: 1px solid gray;
overflow-y: scroll;
```