



Lab 5: PHP

Learning Objectives

After completion of this lab, **you should be able** to

- Work collaboratively as a **pair programming** team
- Use **PHP** variables, arrays, and constants embedded inside html code
- Use PHP **functions** in an web page
- **To Receive Credit**

Work collaboratively as a pair programming team

CS 250 in-class labs will be done using **pair programming**. Your partner for today's lab is listed in the table below:

Hebeler 204

Team 1 Abundiz, Sergio Belfiglio, Alexander	Team 2 Bajwa, Deepinder Burton, Henry	Team 3 Burley, Jonathan Strom, Brandt	Team 4 Byars, Frank Chandler, Alan	Team 5 Carpenter, Daniel Dickerson, Andrew
Team 6 Crockett, Jordan Juarez, Adrian	Team 7 Hansen, Christopher Plitkins, Kristofer	Team 8 Kinkade, Kyle Prescott, Brandon	Team 9 Porter Jr, Anthony Canada, Justin	Team 10 Rozelle, William Ahmady, Temourshah
Fill in: Taing, Pokuy				

You may wish to review basic [pair programming](#) guidelines before you begin.

- One team member (the **driver**) has control of the keyboard/mouse and actively implements the program
- The other team member (the **navigator**) continuously observes the work of the driver to identify tactical defects (such as syntactic and spelling errors, etc.) and also thinks strategically about the direction of the work

You should **change roles** about every ten minutes during lab.

Use PHP variables, arrays, and constants embedded inside html code

Create a `lab5.php` file at `U:\htdocs\labs\lab5` with the following PHP constant and array variables

```
<?php
define ("DESIRED_LENGTH", 31);
$months = array("Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul",
"Aug", "Sep", "Oct", "Nov", "Dec");
$daysInMonth = array(31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30,
31);
?>
```

Use XHTML Strict and embedded PHP code to create the following page consisting of a heading 1 and a table

- The table cells are dynamically created using PHP `for` loops and the PHP array variables given above
- The table's border is set to "1" and its cellpadding is set to "5" to make the cells stand out
- The PHP string function [strtoupper](#) is used to convert the month names to upper case

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Days in a Month

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
31	28	31	30	31	30	31	31	30	31	30	31

- **Validate** your page to XHTML 1.0 strict standards
- Fix any **accessibility issues** reported by FAE Rule Set
 - Ignore the check: Most web pages should contain at least one navigation bar

Switch pair programming roles

Switch **driver** and **navigator** roles. You may be able to just slide the keyboard and mouse over, or it may be preferable to change seats. Do not change the computer in use however.

Use PHP functions in an web page

Use HTML and PHP to add a **paragraph** under the table that displays the names of the months with the exact same number of days as defined by the constant `DESIRED_LENGTH`

- Write a PHP **function** named **getMonths** that accepts 3 parameters: `desiredLength`, `monthArray`, and `dayArray`
 - Your function should use an `if` statement inside a loop to dynamically determine the months that match the desired length
 - Your functions should return the string containing a comma separated list of month names
 - The ending comma may be removed from this string using the PHP [rtrim](#) function
- **Call** your function from within the HTML code to provide the text for the paragraph
 - Ensure your output is correct when the `DESIRED_LENGTH` constant is changed to a different value (e.g. 30)

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JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
31	28	31	30	31	30	31	31	30	31	30	31

The following months have 31 days: Jan, Mar, May, Jul, Aug, Oct, Dec

- **Validate** your page to XHTML 1.0 strict standards

- Fix any **accessibility issues** reported by FAE Rule Set
 - Ignore the check: Most web pages should contain at least one navigation bar
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To Receive Credit

Pair programming teams will receive the scoring rubric sheet at the start of lab. Write both names on the sheet to turn in the sheet in when you finish. Name 1 should be the student who saved the pair work in their CS 250 account.

- If you **finish during lab**, have your work checked for completeness, and turn in to your instructor the [lab's scoring rubric](#) [PDF].
 - If you have **not** yet satisfied all criteria to the level of 4, you need to continue working on the lab outside of class time
 - Your saved solution should be stored in the CS 250 account listed under Name 1
- If you are **unable** to complete the solution during the lab period
 - Leave lab with both students having a copy of the partially completed solution
 - Agree to finish the lab together (establish a time) or independently
 - Turn in the [lab's scoring rubric](#) [PDF] at the **start of next Lab**
 - Use one rubric for teams finishing together or two rubrics for students finishing independently
 - Keep track of and include the **total completion time** (rounded to closest half-hour) it took to complete the lab assignment and include the time on the rubric
 - Write a score **0 . . 4** in the rubric's **self assessment column** representing your completion status
 - Make sure your work is stored in your CS 250 account in folder

U:\htdocs\labs\lab5\

Lab 5 is due at the start of the next lab. **No** late lab assignments will be accepted without prior approval. Your lowest lab score will be dropped.