

# Lab 1

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## Dates, Operators, Strings, Conditionals, Loops

- Purpose: To write a PHP script using dates, operators, strings, and loops
- Submit: A PHP script to the Learning Hub

The goal of this lab is to use the ideas and code from the first two lectures and create a PHP script that uses dates, operators, strings, and loops to construct a basic HTML page.

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Write a PHP script that has the following functionality:

1. Declare a constant named MIN whose value is the (integer) number 0, and a constant named MAX whose value is the (integer) number 255
2. Get the current date (i.e., the date the script is actually running) in the following format: Thursday January 1st 1970 and store it in a variable
3. Using the date created in the previous step, construct a string of the form: "Today is Thursday January 1st 1970"
4. Convert the string from step 3 into an array using explode(), and store it in a variable
5. Use a for-loop to loop through the array created in step 4. Inside the loop do the following:
  - a. Create three variables (named \$r, \$g, and \$b) and assign them each a random value between MIN and MAX
  - b. echo a paragraph element with class 'fz-l', an inline style attribute (with color property set to the rgb values created in step 5a), and one of the words (in order) from your array created in step 4.

This should result in an HTML page with the content

Today  
is  
Thursday  
January  
1st  
1970

where each line is a paragraph with a random color

Test your script to ensure the date is correct (+/- one day) and the colors are randomized each time you refresh the page. Save your script as "lastname-firstname-lab1.php" (e.g. chris harris would submit chris-harris-lab1.php) and upload it to the Lab 1 dropbox on the Learning Hub.

**Due before the beginning of next week's class**