

PHP For Beginners

Lab Exercise 6

1. Insure that your MAMP or WAMP server stack is downloaded, installed and running. You can download WAMP server for Windows at www.wampserver.com/en/. You can download MAMP server for Mac at www.mamp.info.
2. Set up an HTML document and embed an opening and closing PHP tag in the <body> section of the document. Save that document in your www folder (Windows) or htdocs folder (Macintosh) as described in the video lecture.
3. Create a file called "myFunctions.php". Place all of the functions that you are directed to write in this lab exercise in this file.
4. In the document you created in step 2 place a require statement to load the functions that you will write in myFunctions.php.
5. Create a function that will convert Fahrenheit temperatures to Celsius and a separate function that will convert Celsius to Fahrenheit. Name the functions appropriately. Each function should take a singular argument and return an appropriate value.
6. In the original file that contains the require statement, add a PHP block and call both functions outputting a result each time.
7. Modify your application so the user can enter a temperature in a form, and indicate whether the temperature is Celsius or Fahrenheit using a radio button. When the user submits the form, the appropriate function should be called and the value output after the conversion has taken place using the function you wrote in step 5.

Formulas:

F to C: $T_c = (5/9) * (T_f - 32)$

C to F: $T_f = (9/5) * T_c + 32$

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