

In-class Assignment_(PhP)

DUE 11:59 PM 02/21/2020

Instructions for Assignment

- 1) Your Php code must work on CODD server.
- 2) You can use online editor to work and check if the code is running or not.
- 3) Turn in your Inclass Assignment onto your codd server and submit the link on icollege.
- 4) Try to solve all the questions on one single page. If not, then put links to each exercise from the index.php
- 5) Things to submit – codd link, php file/s.

Questions:

- 1) Display the text ““Good morning, Dave,” said HAL.” as a HTML paragraph in italics. Be careful with the “s.
- 2) Calculate and print the area (a) of a circle. Store the radius in a variable \$radius. Use the built-in function or constant for π ($a=\pi r^2$, where radius is r).
- 3) Write a script to convert temperature values from Fahrenheit to Celsius. Store the Fahrenheit value in a float variable %celFahr. Conversion is as follows $c = (5/9)(f - 32)$ where f is the Fahrenheit value. (You can assume the temperature value is $> -459.67^{\circ}\text{F}$.)
- 4) Declare a string variable with the value “ PHP is fun ” (note the leading and trailing spaces). Write code to display the number of characters as “String has x characters” where x is the number (minus any spaces at the start or end of the string).

- 5) Use the `strpos()` function to find and print the first letter after the first occurrence of the sequence `WWW`. E.g. for `"WDWWLWWLDDWDLL"` the answer is `L`.
- 6) Determine if a string is a palindrome, i.e. reads the same forwards and backwards. Examples of palindromes include `"kayak"`, `"Hannah"`, and `"Able was I ere I saw Elba"`. You can assume for simplicity that there is no punctuation. There are various ways to do this. I want you to do it by reversing the string and checking if the two strings are then equal. Your solution should be case insensitive.
- 7) Define an integer variable `$num` with value 7. Write code to determine if `$num` is even or odd. (One simple way to do this is to use the `%` operator.)
- 8) Determine if this year is a leap year. You can use the `date()` function. Display either `It is` or `It isn't` in HTML (bold text).end