FWD PHP ASSIGNMENT 03

OBJECTIVES

Use arrays to store and retrieve data, use loops to perform repetitive tasks.

DUE DATE

Assigned during session03, due 11:59pm the night before session04.

REQUIREMENTS

Obtain the file named *assignment03-data.php* provided with this assignment. Read the comments of this file and update the **$targetName** variable value as directed. Your script must **require_once()** this file and utilize the array data defined within. Your PHP script should possess the following properties:

Part A (array processing):

- Display the initial, unformatted value of the **$targetName.**
- Display a case formatted version of the **$targetName** where all letters are lowercased except the first letter, eg: "shANiA" would display as "Shania"
- Add at least three names to the **$students** array. One of the three names should be yours
- Display how many names are in the **$students** array
- Display all names in the **$students** array as an HTML unordered list, with one list item per student name. All names should be displayed case formatted (all letters lowercase except first letter uppercase) no matter how they are cased in the array.
- If the **$targetName** appears in the array (matches should be case insensitive) the name should appear with visual highlights in the list (eg: apply a distinctive CSS class to the list item if it contains a match for the **$targetName**)
- After the list of names has been displayed, display a summary message about whether or not the target name had been found. Eg: If the target name was not found in the array, display a message "The search name provided is not in our list", if a match was found, display a message using the matching name, eg: "The search name 'Shania' was found in the list".

Part B (associative array processing):

- Add at least one more country/capitol city to the associative array (if your favorite country is missing from the list, be sure to add it).
- Use the **$capitalCities** associative array and display all data points as well as the names of all indeces with each capital city as on list item following this format:
    - *The capital of Canada is Ottawa*
    - *The capital of Mexico is Mexico City*
    - *The capital of USA is Washington DC.*
    - *Etc...*

Part C (iterative code and logic):

- Display all the numbers in the **$collectionOfNumbers** array in an HTML unordered list.
- Determine and display the sum of all the numbers in the array.
- Determine and display the quantity of numbers in the array that are even numbers.
- Determine and display the quantity of numbers in the array that are odd numbers.
- If a number is 0 (zero) it does not count as either even or odd.
- Loop through all numbers in the array and for each of the numbers encountered count from that number to zero, displaying each stage of the count value, for example:
    - if the given number is positive, output a count down from that number to zero.
    - if the given number is negative, output a count from that number up to zero
    - if the given number is zero, output the message "No counting required"

NOTES

To make case insensitive matches for Part A, use string formatting functions such as the **strtolower()** and **ucfirst()** from assignment-02. Remember to use 'if' statements to make decisions in your code as code performs its loops.

SUBMISSION

Before the due date, compress all assignment resources (HTML, CSS, PHP, images, folders, etc) into a single **.ZIP**. Upload **.ZIP** to

learn.bcit.ca > Web Scripting 2 > Content > Session03 > Assignment03 Dropbox

STANDARDS FOR ALL ASSIGNMENTS

Remember: The Assignment01 DESIGN and CODE QUALITY requirements apply to this and all future FWD assignments.