ITSE 2302 – Program 06

All of the assignments in this course must be uploaded to Bb **and** *published to your student website*. Use the numbered list below **and** the Common Requirements as a confirmation checklist.

- Complete the steps described at the Website Setup & Publishing link in the "Assignments" section in Bb.
- Use the course material located at
  - HTML Tutorial , CSS Tutorial , JavaScript Tutorial , PHP Tutorial
- Program 06 can be completed using content from these tutorial sections:
  - HTML HOME – PHP Superglobals
- Develop the page/site for your user – Communicate with your user.

Requirements (remember to identify the requirements by #*number*):

Note: the requirements below refer to the index.php within the program-## folder unless otherwise stated.

1. The Program 06 link on your top-level page should open an index.php page in the program-06 folder. Define constants for each of the planets. Create a function to display the constants horizontally across the top of the page. Call the function.
2. Write a function, that when called, will display an assessment of the weather based on the current month that the function is called. The current month should be determined dynamically, not hard-coded. Use the following:
   a. December-February: "It is chilly winter."
   b. March-May: "A beautiful spring."
   c. June-August: "The heat of summer."
   d. September-November: "Fabulous Fall"
3. Use a switch statement to determine which state someone lives in based on the capital city. Use 10 states. Include a default. A hard-coded value expression is fine which means that just coding the PHP switch statement is sufficient.

However, you would benefit by attempting to get a value from a <form><select><option> </form> and using that value in a PHP switch statement.

4. Determine the current day number of the month and write a while loop that will display the message "Hello" that many times. The current day number should be determined dynamically, not hard-coded.
5. Perform the same as requirement 4 using a do…while loop.
6. Write a for loop that displays the numbers 1 through 25 squared.
7. Create an array of the months of the year. Write a function that uses a foreach loop to display the contents of the array. Call the function.
8. Write a function that accepts (hard-coded in the call is fine) the name of a quarterback and the NFL team for which he plays. Display appropriate output each time the function is called. Call the function 5 times.
9. Write a function that accepts 2 numbers (hard-coded in the call is fine), numerator and denominator. Divide the numerator by the denominator and return the quotient. Check to ensure the denominator is not 0. If so, display an error message. Display appropriate output each time the function is called. Call the function 5 times.
10. Create an associative array named "carsArray". The array consists of automakers and their best-selling models (e.g. Ford:F-Series, Toyota:Camry). Include 7 entries. Use a foreach to display the keys and values of the array.
11. Write a function that sorts the carsArray based on keys (ascending). Use a foreach to display the keys and values of the array.
12. Write a function that sorts the carsArray based on values (ascending). Use a foreach to display the keys and values of the array.
13. Write a function to display the following:
    a. name of currently executing PHP file
    b. IP address of the host server
    c. the method of request sent to the server
    d. IP address of the browser viewing the page

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Use the PHP array functions PHP Array Reference for the requirements below:

14. Create an associative array named carsArray2 like the carsArray but with a few differences. Write a function that compares the two arrays and displays the key and value differences.
15. Write a function that compares the carsArray2 and carsArray and displays the key and value matches.
16. Write a function that accepts (hard-coded in the call is fine) a key as a parameter and displays True if the key exists in the array and False if the key does not exist.
17. Write a function that accepts a value as a parameter and displays the key if the value exists in the array and False if the value does not exist.

TEST – TEST – TEST your **website** to ensure the requirements are met.

1. Use the list above **and** the Common Requirements as a confirmation checklist.
2. Not meeting all requirements = 0 points for the assignment.
3. Complete the appropriate Program ## confirmation in Bb by the due date.
4. Upload your .zip file to Bb under the appropriate Program ## link by the due date.
5. Ensure your assignment functions correctly on your student website and that all requirements are identified by "#XX".
6. Remember to study for the exam. Distributing learning over time is far superior than panic-study in close proximity to the exam date.