Goal2: Assignment: Javascript Practice (75m)

Ready to practice our JavaScript?

Objectives & Outcomes

Successful completion of this activity will show that you can:

- Indentify and know how to use the items taught in lecture which were enhanced items from the WPF course, as well as new items (basics arrays, loops, and self-executing functions).
- Demonstrate through the development of JavaScript coding the comprehension of lecture materials.
- Analyze JavaScript coding and validate through testing the deliverables are meeting the requirements.

Level of Effort

This activity should take approximately 75m to complete. It will require:

- 0m Research
- 15m Prep & Delivery
- 60m Work

If you find that this activity takes you significantly less or more time than this estimate, please contact me for guidance.

Reading & Resources

All Rubrics *(necessary)*
This is a Google doc link to ALL the Rubrics for ALL assignments.

Assignment Files *(necessary)*
This link has all the files you need to get started with this programming assignment.

Instructions

Getting Started:

- In your local branch of the PWA1 GIT repo, you should have a directory entitled "Wk1", if not please contact me, or a lab specialist.
- In your local branch of the PWA1 GIT repo, you will need to create a directory entitled "Wk1/goal2_assign_jspractice". This is where all your assignment development files will reside.
- Make sure you adhere to proper folder constructs, if applicable (css, images, js, etc)
- Place your name, date and assignment at the top of each of the JavaScript files in comments.
  (Online) Please watch the associated demonstration screencast that shows the finished assignment and explains the rubric and requirements.

Criteria:

To obtain full credit on the assignment your submission should match the functionality of the demonstration. The following criteria must be adhered to as well as satisfying all items on this assignment's rubric.

1. **create a function named 'avgNumbers'**
   - accept 1 parameter into the function that will be an array of unlimited numbers
   - find the average of all the numbers
   - return the average from the function
   - console.log the answer outside of the function
2. **create a function named 'fullName'**
   - accept 2 parameters into the function that are strings (firstname and lastname)
   - return the name after it has been concatenated
   - console.log the answer outside of the function
3. **create a function named 'wordCount'**
   - accept 1 parameter into the function that is a long string of text words
   - create a function that counts all the words and return the answer
   - console.log the answer outside of the function
4. **create a function named 'charCount'**
   - accept 1 parameter into the function that is a long string of text
   - return length of the array of string characters
   - console.log the answer outside of the function
5. **create a function named 'vowelsInWord'**
   - accept 1 parameter into the function that is a a one word string
   - return the number of vowels in the word
   - console.log the answer outside of the function
6. **create a function named 'findNum'**
   - accepts 2 parameters into the function - 1. array of numbers, 2. boolean
   - if the second parameter being passed is "false" or null then
     - create an array with all of the odd numbers from the array
   - else - create an array with all of the even numbers from the array
   - return the array
   - console.log the answer outside of the function

Deliverables

You will submit your project via GIT. This is where your work will be graded. You will need to ensure you have at least 6 resonable commits.