

WEB-215 Project 2

- Read Chapter 2 and complete all tutorials if you haven't already done so.
- Create a valid HTML document named **Last-First-Proj2.htm** (substitute your first/last name).
 - The BODY should be empty.
- Link to an external JavaScript file named **Last-First-Proj2.js** (substitute your first/last name).
- Apply best practices to your JS code, including:
 - Ending statements with semicolons
 - Use of tabs and spaces
 - Maintaining code readability
 - Use of comments only when necessary/required
 - Consistency with quotes
- Complete the following exercises in your JS file, beginning each one with a comment stating the exercise title

Create variables

1. Remember to begin with a comment stating the exercise title
2. Create a variable to store an integer of your choice
 - a. Create `document.write()` statement to display the variable value
3. Create a second variable to store a text string of your choice
 - a. Create `document.write()` statement to display the variable value
 - b. Begin the output with a `
` tag so the output appears on a new line
 - c. All subsequent output should begin on a new line

Perform Operations

1. Remember to begin with a comment stating the exercise title. This is the last reminder you will get.
2. Create a variable with an integer value.
3. Create a second variable with a decimal value.
 - a. Output the sum of the two variables you just created to a new line.
 - b. Output the difference on a new line. Be sure to subtract the lesser from the greater.
 - c. Output the product on a new line.
 - d. Output the quotient on a new line. Be sure to divide the lesser into the greater.
 - e. Output only the remainder when divided on a new line. Be sure to divide the lesser into the greater.

Concatenation and Escaping

1. Create a **string** variable storing the following value: **Tom "Alley Cat" O'Mally**
2. Create a second **string** variable storing the following: **64**
3. Create a third **integer** variable storing the following: **1**
 - a. Output the following on a new line (using the variables): **Tom "Alley Cat" O'Mally is 64 years old.**
 - b. Attempt to add the second and third variable and output the sum to a new line.

Create indexed arrays

1. Create an array and populate it with 4 foods
2. Use `document.write()` to display the 2nd element of the array on a new line
3. Use `document.write()` to display the total number of elements in the array on a new line

Add a single element to the end of the array

1. Add a single additional food to the end of the array. This should be a single line of code and **should not** use a JavaScript method.
2. Use `document.write()` to display all the members of the array on a new line

Add a multiple elements to the end of the array

1. Add two additional foods to the end of the array. This should be a single line of code and **should** use a JavaScript method.
2. Use `document.write()` to display all the members of the array on a new line

Add a multiple elements to the beginning of the array

1. Add two additional foods to the beginning of the array. This should be a single line of code and **should** use a JavaScript method.
2. Use `document.write()` to display all the members of the array on a new line

Remove a single element from the beginning of the array

1. Remove the first member of the array. This should be a single line of code and **should** use a JavaScript method.
2. Use `document.write()` to display all the members of the array on a new line

Remove a single element from the end of the array

1. Remove the last member of the array. This should be a single line of code and **should** use a JavaScript method.
2. Use `document.write()` to display all the members of the array on a new line

Create a multi-dimensional array

1. Create a new array and populate it with 3 fruits
2. Create a second array and populate it with 4 vegetables
3. Create a third array and populate it with the first two arrays
4. Using the third array, use `document.write()` to display the first vegetable on a new line

Testing before Submission

- Load your HTML file in a browser
- You should be presented with a series of 17 lines
- Place both your HTML and JS files in a folder named **Last-First-Proj2**
- File naming must be exact! (But use your own first/last name.) Zip the folder and upload via Moodle.