Lab 1 Instructions – Intro to JavaScript
CS133JS, Beginning Programming: JavaScript

Overview

The objective of this lab is to give you practice working with:

- Visual Studio Code
- The browser console
- HTML script elements

- The *document.write* function
- JavaScript variables
- The assignment operator

Part 1

Run all the code examples in the first half *of Up and Going, Chapter 1*—every example starting with the Try It Yourself section, up through the end of the section Variables section. The "Try It Yourself" section explains how to run the code examples. Don't clear the console after executing each example.

When you are done, copy the contents of the console by right-clicking on one of the lines of code, clicking on "select all" and then copying everything to the clipboard. Next, paste the code into a Word document with your name, lab number and date at the top.

Part 2 – Assignment Group B

Create a simple web page that consists of a single .html file with a script element in it. The web page should look similar to the one below when viewed in a browser:

Requirements:
- Everything you see on the page should be generated by *document.write* statements.
- You should use two variables:
    - One to hold the name of your site—use this in both the link and the bottom line of text
    - One to hold the URL of the site—use this in the link
- The link should open in a new page.
- Choose your own favorite site.
- Put your name and the date in comments in the head element of the page.

Written by Brian Bird, Lane Community College, spring 2017, revised spring 2022.

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Tips
- Write the plain HTML code for your web page before putting parts of it into `document.write` statements. This way you'll know you're at least doing the HTML code right.
- For examples of using both single and double quotation marks in strings, look at this [W3Schools tutorial on strings](#).
- Test the strings you are passing to `document.write` in the console by passing them to console.log so you can see if all the pieces of the string got put together correctly.
- To make a link, `<a>` element, open a web page in a new tab, set the `target` attribute to `_blank`. See this [tutorial on the target attribute](#).

Submitting your lab work on Moodle

Beta Version

Post the following in the *Lab Beta forum*:

1. The web page you created for part 2.
2. A code review of your lab partner's web page for part 2.
   (Review one of your lab partners' web pages using the Code Review Form provided.)

Code Review
1. Submit a copy of the code review above to the *Lab Code Review assignment*.

Production Version
Based on the review and helpful advice from your lab partner, you may revise your web page. On the code review from your lab partner, complete the "Production" column to show what you revised. Upload the following to the *Lab Production Version* assignment:

1. The Word document containing all the code you ran for part 1.
2. The HTML file you created for part 2.
3. The code review <u>from</u> your lab partner with the <u>"Prod" column filled in by you</u>.