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
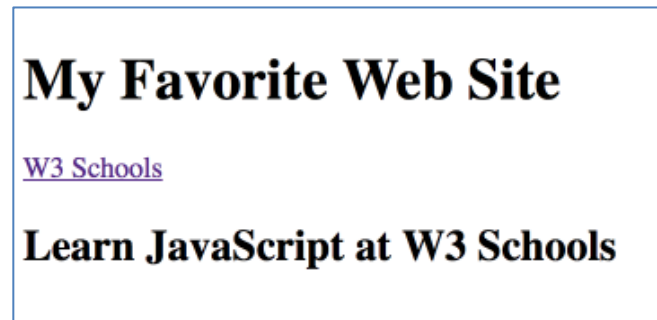- JavaScript variables
- The assignment operator

Part 1

Using the console of your browser, run all the code examples in the first half of You Don't Know JS: Up and Going, Chapter 1—each example starting with the Try It Yourself section, up through the end of the Variables section. The "Try It Yourself" section explains how to run the code examples in the browser console.

After you run each example in the console, change the statements using `console.log` to use `document.write`, and copy the code into the CS133JS_Lab01_Part1.html file.

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 fall 2024.

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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 Version* 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 on Moodle.)

Code Review

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, revise your web page as needed. On the code review from your lab partner, complete the "Prod" column to show what you revised. Upload the following for the *Lab Production Version* assignment on Moodle:

1. The HTML file containing all the code from the textbook for part 1.
2. The HTML file you created for part 2.
   - Any image file that is used in your page. (If you linked an image that's online you won't need this.)
3. The code review <u>from</u> your lab partner with the <u>"Prod" column filled in by you</u>.

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Grading Rubric

Criteria	Possible
Part A: Exercise	10
Part B	
Developer's name and date in <head>	2
Heading at top of page from document.write	3
Variable used for the site name	4
Variable used for the site URL	4
Link in <a> from variable using document.write	4
Link displayed correctly	2
Link has target attribute to open in a new tab	4
Third line from variable with document.write	3
Third line displayed correctly	2
Code review with "Prod." completed	2
Total	40