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Web Programming

Group Project 2

1. A brief description on JS language and its cons/pros for web programming. ([ref](https://data-flair.training/blogs/advantages-disadvantages-javascript/))
   * Pros: It’s speed, simplicity, popularity, interoperability, server load, rich interfaces, extended functionality, and versatility
   * Cons: Client-side security, needs browser support, lack of debugging facility, single inheritance, sluggish bitwise function, rendering stop
2. 3-5 sources or references on learning JS.
   * YouTube.com
   * W3Schools.com
   * Codecademy.com
   * Udemy.com
3. 1-2 sources or references on good programming practices including but not limited to: comments, documentation, descriptive variables/elements names, good programming styles and so on.
   * <https://www.w3.org/wiki/JavaScript_best_practices>
   * <https://www.thinkful.com/learn/javascript-best-practices-1/>
4. Choose two other programming platforms and compare/contrast JS with the other two programming platforms on web developments.
   * This question is very vague!
   * Notepad is not great for coding so VSCode is the way to go for an IDE.
   * If you are referencing frameworks like Angular or React then those are two good options.
5. Write, test, and debug JS scripts for the following problems at the end of chapter 4 of the textbook: 4.1, 4.2, 4.4, 4.6, 4.7, 4.9 and 4.14.
6. Create a folder, **programs**, to store all your JS scripts.
7. Ensure to use all good programming practices including but not limited: comments, documentation, descriptive variables/elements names, good programming styles and so on.
8. Ensure to include the adapted comment block (using for any HTML file created on this class so far) at the top of any files and scripts with proper updating.
9. You as a team are required to demonstrate your knowledge and skills on HTML, and CSS to create this web page. You are required to demonstrate using a variety of tags, elements, concepts of HTML, CSS and JS.
10. Create a top-level folder, tD\_MMDDYYYY, replacing the letter “D” with any digit 1-5 representing your team number. For instance, Team 1 creates, t1, folder as a top-level folder, Team 2, t2 folder and so on. Please replace, D with your team number, MM, DD, YYYY, with 2-digit month, 2-digit day, and 4-digit year, respectively. All your files will be stored on this folder. You may create the following folders inside your top-level folder to store and organize files. These folders are: images, audios, videos, programs, and any other proper folder. Please let me know of any new folder that your team will create, so we ensure that all teams use the same naming conventions. Then upload your top-level folder tD\_MMDDYYYY in a **zipped format (.zip**) here.