Assignment 1 is all about learning the basic properties of your language and what it's

used for. Select your language and answer the following questions about it:

1. What is the name of your language? JavaScript

2. When/where was it created and by whom? Was it developed to address a particular

computing problem or need? Brendan Eich created it while working at NetsScape in 1995 specifically for the purpose of creating a web programming language, to be the “glue” for web page designers. (http://2ality.com/2011/03/javascript-how-it-all-began.html)

3. Is it primarily procedural, functional, scripted, object-oriented, or a combination of

these? Or something else? It started out primarily as a scripting language, but now has the ability to function in much more advanced ways including functional and OO, and using technologies like the JQuery library and Node.js. (<https://www.computerworld.com.au/article/print/255293/a-z_programming_languages_javascript/>, <http://web.stanford.edu/class/cs98si/slides/overview.html>, https://www.w3schools.com/jquery/)

4. Is it compiled or interpreted, or a combination? It is interpreted in the browser for the most part but now there are some browsers that use JIT compilation for JS. (<http://web.stanford.edu/class/cs98si/slides/overview.html>) Does it use a virtual machine? No.

5. What types of applications is your language primarily used for (e.g.: web

development, video games, mobile devices, back-end services, operations

engineering, etc.). It is mostly used for web development. (<http://web.stanford.edu/class/cs98si/slides/overview.html>) If your language is multi-purpose, provide some examples of different applications it has been used for. With the new technology available to it JS can achieve more than web programming. Anything from games to smartwatch apps can be build with JS (https://www.grandcircus.co/blog/10-things-you-can-build-with-javascript/).

6. Search on Github.com for your language: what are the 3 most popular projects (the

### ones with the most stars) involving your language? [freeCodeCamp/freeCodeCamp](https://github.com/freeCodeCamp/freeCodeCamp)

### [vuejs/vue](https://github.com/vuejs/vue)

### [facebook/react](https://github.com/facebook/react)

7. Where will you get information about this language when it's time to start

programming in it? All over the interwebs. I’ll actually probably start at that free code camp(<https://learn.freecodecamp.org/javascript-algorithms-and-data-structures/basic-javascript/comment-your-javascript-code>), then [Khan Academy](https://www.khanacademy.org/computing/computer-programming/programming), Lynda.com courses ([starting with JavaScript Essential Training with Morten Rand-Hendriksen](https://www.lynda.com/JavaScript-tutorials/JavaScript-Essential-Training/)), maybe a Udemy course. I have a book Sams Teach Yourself JavaScript in 24 hours by Phil Ballard and Michael Moncur, but will most likely use it for reference. I bookmarked this web site earlier which seems quite helpful <https://www.quirksmode.org/js/support.html>.