

Intro to JS

History

- JavaScript was created by Netscape's Brendan Eich in 1995.
- Originally intended as a simpler scripting language for websites. (Client Side programming)
- JavaScript isn't just limited to web browsers.
- Node.js (aka **Node JS** or **Node**), is becoming more and more popular for Server Side programming
- Typescript (superset of JS)

Types of Headache

- JavaScript has a C/ Java like syntax.

Migraine



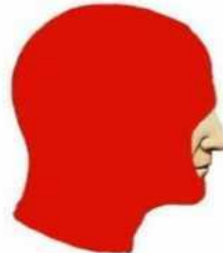
Hypertension



Stress



Javascript



- Java is not Javascript



JS is weird



Course Outline:

- Basic JS (ES6 or ES2015)
- jQuery and DOM manipulation
- jQuery plugins and libraries
- Node JS for Backend Development (npm)
- Typescript
- Frontend JS framework (Angular)

Tools needed

- A **Working** laptop
- Web Browser : Firefox, Chrome based browser, **IE (If you are a peasant)**
- An text editor (VisualStudio code, Webstorm, Pycharm, notepad, sublime text, whatever.....)
- Slack account
- GitHub account
- Git installed in your laptop

Tools needed

- Node installed in your laptop:
 - Windows: <https://treehouse.github.io/installation-guides/windows/node-windows.html>
 - Linux (Ubuntu): <https://nodesource.com/blog/installing-node-js-tutorial-ubuntu/>
 - MAC: <https://blog.teamtreehouse.com/install-node-js-npm-mac>
- NPM (node package manager)

JS in a nutshell

- Weakly Typed Language
 - No explicit type assignment
 - Data types can be switched dynamically
- Object-Oriented language
 - Data can be organized in logical objects
 - Primitive and reference type
- Versatile Language
 - Runs in a browser (Client) and directly on PC (Server)
 - Can perform a broad variety of tasks