GUVI-Assignment-2

1. List 5 differences between Browser JS(console) vs Nodejs

* Browser JS is in the format of Sandboxed whereas Nodejs is in the format of stripped.
* Browser JS code will run inside the browser but nodejs code will run at the server side.
* Example code for browser js is

<script>filename.js</script>

For node js it will be

node filename.js

* Browser JS is capable enough to add HTML and play with the DOM. Nodejs does not have capability to add HTML tags.
* Browser JS will run in Frond end but nodejs will run in Backend.

1. Watch and summary 5 points

* When the browser will render information from the user data the first thing that happens is html parser and css parser. Means that the browser will render the DOM tree structure and the layout and paint which is CSSOM so to get visual output.
* Using DOM tree the browser will interact with the page
* Then the browser will look ahead for any images and scripts and css to render from other pages.
* You will have to keep the script tags at the bottom always the reason for that is because it is easy for the browser to first parse the HTML and DOM tree and then come to script tag without any interruption. This way it will be faster to render.

1. Execute the below code and write your description in txt file

* typeof(1) - number.
* typeof(1.1) - number
* typeof(‘1.1’) - string
* typeof(true) - boolean
* typeof(null) - object
* typeof(undefined) - undefined
* typeof([]) - object
* typeof({}) - object
* typeof(NaN) - number

1. What is prototype?

* Prototypes are the mechanism by which JavaScript objects inherit features from one another.