Q.1 List 5 difference between Browser JS(console) v Nodejs

Javascript

1. Javascript is a programming language that is used for writing scripts on the website.
2. Javascript can only be run in the browsers.
3. It is basically used on the client-side.
4. Javascript is capable enough to add HTML and play with the DOM.
5. Javascript can run in any browser engine as like JS core in safari and Spidermonkey in Firefox.
6. Javascript is used in frontend development.

NodeJS

1. NodeJS is a Javascript runtime environment
2. We can run Javascript outside the browser with the help of NodeJS.
3. It is mostly used on the server-side
4. Nodejs does not have capability to add HTML tags
5. V8 is the Javascript engine inside of node.js that parses and runs Javascript
6. Nodejs is used in server-side development

# Q.2 -  Browser - Rendering a website

# Parsing HTML isn’t straight Forward and it can be halted.

# Its is re-entrant , means the parsing can be interrupted.

# When Parsing HTML , Parsing CSS along with JS are combined they Render tree, Layout and Paint.

# Layout computes where a Node will be on the screen .

# Painting computes bitmaps and composites to screen .

Q.4 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