

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

Browser Js	NodeJs
It's a programming language used for writing scripts on website	It's a JavaScript runtime environment
Runs only in browser	Can be run outside browser
Used on client side	Used on server side
Capable to add HTML tags and play with DOM	Cannot add HTML tags
Js can run in any browser engine.	Can run only in V8 engine of chrome

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

- typeof(1)
- typeof(1.1)
- typeof('1.1')
- typeof(true)
- typeof(null)
- typeof(undefined)
- typeof([])
- typeof({})
- typeof(NaN)

output :->

```
console.log(typeof(1));    // number
console.log(typeof(1.1));  // number
console.log(typeof('1.1')); //String
console.log(typeof(true)); //boolean
console.log(typeof(null)); // object
console.log(typeof(undefined)); // undefined
console.log(typeof([ ])); //object
console.log(typeof({})); //object
console.log(typeof(NaN)); //number
```

3. watch & summary 5 points

- > 1. When a web page is loaded, the browser first reads the HTML text and constructs DOM Tree from it.
2. Then it processes the CSS whether that is inline, embedded, or external CSS and constructs the CSSOM Tree from it.
3. After these trees are constructed, then it constructs the Render-Tree from it.
4. Rendering steps include style, layout, paint and, in some cases, compositing.
5. The CSSOM and DOM trees created in the parsing step are combined into a render tree which is then used to compute the layout of every visible element, which is then painted to the screen.