**DAY2 ASSIGNMENT SOLUTION**

**Questions:**

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

2. watch & summary 5 points -

https://www.youtube.com/watch?v=SmE4OwHztCc&ab\_channel=JSConf

3. To read -

https://stackoverflow.com/questions/5641997/is-it-necessary-to-write-head-body-and-html-tags

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

a. typeof(1)

b. typeof(1.1)

c. typeof('1.1')

d. typeof(true)

e. typeof(null)

f. typeof(undefined)

g. typeof([])

h. typeof({})

i. typeof(NaN)

5. Read what is prototype

**Answers:**

1. 5 Differences between BrowserJS and NodeJS

|  |  |  |
| --- | --- | --- |
| **S No** | **BrowserJS** | **NodeJS** |
| 1. | There are many APIs like DOM, BOM, GeoLocation API which are available only for BrowserJS. The BrowserJS is mainly used for manipulating HTML and provide good UI experience to end user | Just like BrowserJS there are many libraries available in NodeJS whose primary focus is towards server-side tasks like file handling, http server, catering HTTP requests etc., |
| 2. | We have many implementations of JavaScript Engines for Browser like V8, Chakra, SpiderMonkey etc., | NodeJS is build on Chrome’s V8 engine only. |
| 3. | End users need to update his/her web browser in order to experience the latest implementations of JavaScript | In order to get the latest JavaScript implementation, simply latest version of NodeJS can be installed on the server which will not effect the user. |
| 4 | BrowserJS uses ES module system | NodeJS user CommonJS module system |
| 5 | The BrowserJS developers will not have freedom to choose a specific version of JavaScript as different users use different version of browser (indirectly different versions of JavaScript) | The NodeJS developers will have full control over the NodeJS version they want to develop on and its upto the developers whether they want to update to latest versions or not. |

2. watch & summary 5 points - <https://www.youtube.com/watch?v=SmE4OwHztCc&ab_channel=JSConf>

I’ve not understood the video and I requested to provide another source to read, but there is no response. Since it is very late to submit the assignment, I’m submitting without the answer.

4.

1. typeof(1) -> number
2. typeof(1.1)-> number
3. typeof(‘1.1’)->string
4. typeof(true)->Boolean
5. typeof(null)->object
6. typeof(undefined)->undefined
7. typeof([])->object
8. typeof({})->object
9. typeof(NaN)->number