day-2 Javascript - Day -2 : Request & Response cycle

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

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| --- | --- |
| Browser JS | Node js |
| Java script is a client side language | Node js enables server side language written in java script |
| Java script runs inside the browser | Node js run outside the browser |
| Java script is a language | Node js is a language but it has V8 engine that runs java script on the server side |
| |  |  | | --- | --- | |  | Javascript is used in frontend development. | | Nodejs is used in server-side development. |
| Javascript is capable enough to add HTML and play with the DOM. | Nodejs does not have capability to add HTML tags. |

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

the browser actually render a website

* High level flow: two type Parsehtml,parsecss are combination this two object models
* parsehtml: so parse tree is represent of your html and it all the dom element use eg)div,p..etc
* parsecss: it will create the css object model like a dom object model. eg)style,selector,rules,declaration,decoration
* Rendertree/frame tree :are means the parsing process can be interrupted they have multi trees are render object,renderstyles,render layers,line boxes
* layout: computer where a node will be on the screen.painting:computes bitmaps and composites to screen

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

* 1. typeof(1)

ans: return number

* 1. typeof(1.1)

ans: return number

* 1. typeof('1.1')

ans: return string

* 1. typeof(true)

ans: return boolean

* 1. typeof(null)

ans: return object

f. typeof(undefined)

ans: return undefined

g. typeof([])

ans: return object

h. typeof({})

ans: return object

1. typeof(NaN)

ans: return undefined