DAY 1 TASK

1. Write a blog on Difference between HTTP1.1 vs HTTP2

HTTP stands for hypertext transfer protocol & it is used in client-server communication.

What is HTTP/1.1

The first usable version of HTTP was created in 1997. Because it went through several stages of development, this first version of HTTP was called HTTP/1.1. This version is still in use on the web.

What is HTTP/2

In 2015, a new version of HTTP called HTTP/2 was created. HTTP/2 solves several problems that the creators of HTTP/1.1 did not anticipate. In particular, HTTP/2 is much faster and more efficient than HTTP/1.1. One of the ways in which HTTP/2 is faster is in how it prioritizes content during the loading process.

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| **HTTP/1.1** | **HTTP/2** |
| It works on the textual format. | It works on the binary protocol. |
| There is head of line blocking that blocks all the request behind it until it doesn’t get its all resources | It allows multiplexing so one TCP connection is required for multiple requests. |
| It uses requests resources Inlining for use getting multiple pages. | It uses PUSH frame by server that collect all multiple pages |
| It compresses data by itself. | It uses HPACK for data compression. |

**Multiplexing:** HTTP/1.1 loads resources one after the other, so if one resource cannot be loaded, it blocks all the other resources behind it. In contrast, HTTP/2 is able to use a single TCP connection to send multiple streams of data at once so that no one resource blocks any other resource. HTTP/2 does this by splitting data into binary-code messages and numbering these messages so that the client knows which stream each binary message belongs to.

1. Write a blog about objects and its internal representation in JavaScript.

Object is collection of data. IT has “Key and value” pairs. It is different than the primitive data type. Object is also a data type. We can store multiple value in it. The Key can be function or variable. IT is used to store and organize data.

=> OBJECT Representations

(i)Object can be declared in 2 Diff ways.

1) Declaring object using curly Bracket

var objectName{

key: value

}

2) Declaring Object using NEW OBJECT keyword

const ObjectName = new Object();

ObjectName.key = value

ObjectName.key = value

(ii)To get output we have 2 methods

1) dot method

console.log(objectName.key)

2) Square Bracket

console.log(objectName["key"])

(iii) To modify we have to method

1) dot metho

ObjectName.key = value

2) Square Bracket

ObjectName["key"] = value

(iv) Delete method in object

delete ObjectName.key