Task

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

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| HTTP1.1 | HTTP2 |
| It works on the textual format | It works on the binary protocol |
| There is head of line blocking that blocks all the requests 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 resource Inline for use getting multiple pages | It uses PUSH frame by server that collects all multiple pages |

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| --- | --- |
| It compresses data by Itself | It uses HPACK for data compresses |

## 2. Write a blog about objects and its internal representation in Javascript

### Objects in javascript:

* Object are important data type in javaScript
* The object is an unordered collection of key-value pairs. Each key-value pair is called a property. The key of a property can be a string. And the value of a property can be any value, e.g., a string, a number, an array, and even a function.

### Internal Representation:

* **Properties and Methods:**

Objects in JavaScript consist of properties and methods. Properties are essentially key-value pairs, where keys are strings and values can be anything from primitive data types to other objects. Methods are essentially functions that can be invoked on the object.

* **Prototype Chain:**

JavaScript objects can also be linked through a prototype chain.

* **Object and properties:**

A JavaScript object has properties associated with it. A property of an object can be explained as a variable that is attached to the object. Object properties are basically the same as ordinary JavaScript variables, except for the attachment to objects. The properties of an object define the characteristics of the object.

## 3. write about IP address, port, HTTP methods, MAC address:

## IP address:

IP address stands for internet protocol address. it is an identifying number that is associated with a specific computer or computer network. When connected to the internet, the IP address allows the computers to send and receive information.

## Port:

In a computer network, a Port is a logical address which is assigned to each application on the computer that utilizes the internet for communication.

## HTTP methods:

* HTTP methods are HTTP requests that indicates what actions the server should perform.
* These methods allow for a much richer communication between the client and the server.
* These are the common HTTP methods.

GET

POST

PUT

PATCH

DELETE

HEAD

OPTIONS