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

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| --- | --- |
| **HTTP1.1** | 1. **HTTP2** |
| HTTP/1.1 loads resources one after the other. | HTTP/2 is able to use a single TCP connection to send multiple streams of data at once |
| so if one resource cannot be loaded, it blocks all the other resources behind it | so that no one resource blocks any other resource. |

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

In JavaScript, objects are collections of key-value pairs, where keys are strings (or symbols) and values can be of any data type, including other objects. Objects are used to represent real-world entities, data structures, and more complex data types.

**3.Read about IP address, port, HTTP methods, MAC address**

**IP address:**

An IP address is a unique numerical label assigned to each device connected to a computer network, such as the internet.

**Port:**

A port is a virtual communication channel associated with an IP address. It allows different applications or services running on the same device to receive and send data independently.

**HTTP methods:**

HTTP methods are specific commands sent within an HTTP request to instruct the server on how to handle the request. These methods define the desired action on the server-side, such as retrieving data, creating new resources, or updating existing ones.

**MAC address:**

A MAC address (Media Access Control address) is a unique hardware identifier assigned to each network interface card (NIC) in a device. It’s used at the data link layer of the OSI model to ensure proper delivery of data frames within a local network segment.