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

HTTP- hypertext transfer protocol

|  |  |
| --- | --- |
| HTTP1.1 | HTTP 2 |
| It works on the textual format | It works on the binary protocol |
| There is head of line blocking that blocks all the 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 Inlining for use getting multiple pages | It uses PUSH frame by server that collects all multiple pages |
| It compresses data by itself. | It uses HPACK for data compression. |

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

* Objects are important data types in javascript.
* Objects are different than primitive datatypes
* Number
* String
* Boolean etc.
* Primitive data types contain one value but Objects can hold many values in form of Key: value pair.
* These keys can be variables or functions and are called properties and methods, respectively, in the context of an object

**Syntax:**

ObjectName.ObjectProperty=PropertyValue;

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

IP address 🡪 Internet Protocol

* ip address is a unique numerical identifier for every device or network that connects to the internet. Typically assigned by an internet service provider (ISP), an IP address is an online device address used for communicating across the internet.

Port:

* UCB/C-Type

HTTP Method:

* GET
* POST
* PUT
* HEAD
* DELETE
* PATCH
* OPTIONS
* CONNECT
* TRACE

MAC Address:

MAC 🡪Media Access Control

* address, sometimes referred to as a hardware or physical address, is a unique, 12-character alphanumeric attribute that is used to identify individual electronic devices on a network

EXAMPLE:

 00-B0-D0-63-C2-26.