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

**Introduction**:

HTTP is a hyper transfer protocol and it is used for Server communication.

**Difference between HTTP1.1 AND HTTP2:**

|  |  |
| --- | --- |
| **HTTP1.1** | **HTTP2** |
| 1. HTTP1.1 transfer all the request and response in the plain text form. | HTTP2 works on binary framing layer which converts all messages into binary format. |
| 1. HTTP1.1 has head of line blocking which in which TCP connection is blocked all other request until getting the response. | HTTP2 TCP connection is used to receive Multiple request |
| 1. HTTP1.1 compresses data on its own. | HTTP2 has HPACK which is used for Data compression. |

**Drawbacks of HTT1.1:**

HTTP1.1 has persistent connection which receives several request and response are merged in a single connection which leads to the creation of HTTP2.

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

**Objects:**

1. Objects has properties associated along with it.
2. Each object contains with any primitive data types. **Key: Value (Any data types can be used in the value) Eg. Name: Revathi**
3. The properties of the objects define the characteristics of the Object.
4. Properties of Objects displays with a simple dot-notation.

**Eg. Name of the Object.Property of the Object**

1. Properties of JavaScript objects can also be accessed or set using a bracket notation. []
2. **Read about IP address, port, HTTP methods, MAC address?**

**Introduction**:

If the computer sends data to another application of a different computer, then it sends using IP Address and MAC address but if there is no port specification then computer will not be able to target the specific application.

IP ADDRESS:

1. The IP address is the only way to communicate from Computer to another.
2. IP address is a set of number which look alike eg. 192.155.12.1
3. Each number in the IP address has set from 0 to 255 range.

Port:

1. Port is a property sets or return the port number of a URL.
2. There are 3 types of Port a. Well Knows port b. Registered port C. Dynamic port.
3. Well Known port is for common and specifically used services.
4. Registered Port: These are used by application or services that are not as common.
5. Dynamic Port : It is used for those connections that are temporary or short lived.

HTTP Methods:

1. GET – Retrives information from the specific server.
2. HEAD – It is used to transfer the header section only.
3. POST – This method sends the data to the server.
4. PUT - The PUT method is used to replace all the current representations of the target resource with the uploaded content.
5. DELETE – This method used to remove all the current representations of the target.