Task no 1 :- Difference between HTTP1.1 vs HTTP2

HTTP (hypertext transfer protocol)

Basically there are 4 https versions are there

1. HTTP 0.9 was created in 1991
2. HTTP 1.0 was created in 1996
3. HTTP 1.1 was created in 1997
4. HTTP 2.0 was created in 2015

HTTP 0.9:-

* This was the first HTTP version this version was done only the basic operations like **GET,PUSH**, and **HEAD**.
* This was only used for making basic website with the multiple web pages.

HTTP 1.0 :-

* In this versions the new operation will be add like **PUT, DELETE, LINK, UNLINK.**

HTTP 1.1 :-

* In this http versions this was mostly usable and secured is there and currently mostly everyone was use this version.
* In this version is **standardized protocol.**
* this version is work on the **TCP protocol**.
* HTTP 1.1 had support the **GZIP, minifying the css,js,cashing.**
* But the in this version only the 1 TCP connection done one by one ex. First the index.html will load and the connection done after that the other files will be connected like css and js etc.
* One connection colud be the reused by the same ip.
* Save the data for the faster site loading time will be reduce.

HTTP2.0 :-

* This version was came after 15 years.
* In the best feature is there are **single frame TCP** connections are there and secured.
* There is the **TCP stack pipeline multiple** stack we used in one frame that’s way the site loading speed fast as compare to the 1.1 http version.
* The **new PUSH** frame was updated.
* The new Morden servers support this version.
* **HPACK** is there header data is separate from the request data.
* HTTP 2.0 is much faster as compare to the HTTP1.1.
* Ex. If we build the website in the HTTP2.0 and the client or web browser and the server was not support the HTTP2 frame the HTTP2 was automatically convert the HTTP1.1 frame and load the web page.
* The **page refresh time was low** as compare to HTTP1.1.

Task 2 :- objects and its internal representation in JavaScript.

* Objects are mostly important the **data types** in the js
* There are two data types is **primitive** and **compositive**
* primitive data-types(Number, String, Boolean,)
* compositive data types(array, objects)
* Objects are more complex and each object may contain any combination of these primitive data-types as well as reference data-types.
* it is used to store various **keyed collections and more complex entities.**
* all objects in JavaScript are instances of **Object;**
* there are many properties of objects.