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

Http1.1

* It supports connection reuse i.e. for every TCP connection there could be multiple requests and responses, and pipelining where the client can request several resources from the server at once.
* ntroduces a warning header field to carry additional information about the status of a message. Can define 24 status codes, error reporting is quicker and more efficient.
* It is relatively secure since it uses digest authentication, NTLM authentication
* Expands on the caching support by using additional headers like cache-control, conditional headers like If-Match and by using entity tags.
* HTTP/1.1 provides faster delivery of web pages and reduces web traffic as compared to HTTP/1.0. However, TCP starts slowly and with domain sharding (resources can be downloaded simultaneously by using multiple domains), connection reuse and pipelining, there is an increased risk of network congestion.

Http2

* Uses multiplexing, where over a single TCP connection resources to be delivered are interleaved and arrive at the client almost at the same time. It is done using streams which can be prioritized, can have dependencies and individual flow control.
* Underlying semantics of HTTP such as headers, status codes remains the same.
* Security concerns from previous versions will continue to be seen in HTTP/2. However, it is better equipped to deal with them due to new TLS features like connection error of type Inadequate\_Security.
* HTTP/2 does not change much in terms of caching. With the server push feature if the client finds the resources are already present in the cache, it can cancel the pushed stream.
* HTTP/2 utilizes multiplexing and server push to effectively reduce the page load time by a greater margin along with being less sensitive to network delays.

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

Object:

* JavaScript object is a standalone entity that holds multiple values in terms of properties and methods.
* Object property stores a literal value and method represents function. An object can be created using object literal or object constructor syntax.
* A javaScript object is an entity having state and behavior (properties and method). For example: car, pen, bike, chair, glass, keyboard, monitor etc. JavaScript is an object-based language. Everything is an object in JavaScript.
* Objects, in JavaScript, is it’s most important data-type and forms the building blocks for modern JavaScript. These objects are quite different from JavaScript’s primitive data-types(Number, String, Boolean, null, undefined and symbol) in the sense that while these primitive data-types all store a single value each (depending on their types).