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

Ans:

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| **DIFFERENTIATOR** | **HTTP1.1** | **HTTP2** |
| **YEAR** | 1997 | 2015 |
| **KEY FEAUTURES** | 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 | 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. |
| **STATUS CODE** | Can define 24 status codes, error reporting is quicker and more efficient. | Underlying semantics of HTTP such as headers, status codes remains the same. |
| **AUTHENTICATION MECHANISM** | It is relatively secure since it uses digest authentication, NTLM authentication. | 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. |
| **WEB TRAFFIC** | HTTP/1.1 provides faster delivery of web pages and reduces web traffic as compared to HTTP/1.0 | 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. |