1. **Write a blog on Difference between HTTP 1.1 vs HTTP 2**

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| **FEATURE** | **HTTP 1.1** | **HTTP 2** |
| **Connection Multiplexing** | Multiple connections per origin, leading to potential head-of-line blocking. | Single connection per origin, supporting concurrent streams, reducing latency. |
| **Binary Protocol** | Text-based protocol. | Binary protocol for more efficient data transfer. |
| **Header Compression** | Headers are uncompressed. | Headers are compressed. |
| **Prioritization** | No native support for resource prioritization. | Supports resource prioritization, optimizing critical resource loading. |
| **Server Push** | Not supported. | Server can push resources to the client before they are requested. |
| **Persistent Connections** | Requires additional statements. | Default persistent connection. |
| **SSL/TLS Requirement** | Optional. | Encourages SSL/TLS, but not mandatory |
| **Round-Trip Requests** | Each resource requires a separate request, increasing latency. | Multiplexing allows multiple resource requests in parallel, reducing round trips |
| **Header Overhead** | Headers contribute to higher overhead due to redundancy. | Header compression (HPACK) minimizes redundancy, reducing overhead. |
| **Adoption** | Widely adopted for many years. | Gaining adoption but not universally implemented across all servers and clients. |