

QUESTION 1 : Write a blog on difference between HTTP1.1 and HTTP 2.

HTTP 1.1	HTTP 2
It works on the textual format.	It works on the binary protocol.
There is head of line blocking that blocks all the requests behind it until it doesn't get its all resources.	It allows multiplexing so one TCP connection is required for multiple requests.
It uses requests resource Inlining for use getting multiple pages	It uses PUSH frame by server that collects all multiple pages
It compresses data by itself.	It uses HPACK for data compression.
It was released in 1997.	It was released in Feb. 2015 by IETF.
Uses a single connection for each request, and the requests are processed sequentially.	Supports multiplexing, allowing multiple requests and responses to be sent concurrently over a single connection.
Uses a text-based protocol, which can be more human-readable but less efficient for machines.	Introduces a binary protocol, enhancing efficiency and reducing parsing complexity.
Doesn't support server push.	Introduces server push, allowing the server to push resources to the client before they are explicitly requested.
Requires a new connection or upgrade for protocol changes.	Can be used over the same connections as HTTP/1.1 with the upgrade occurring at the transport layer.
Does not inherently provide security features.	Encourages the use of secure connections (HTTPS) and is designed with modern security best practices in mind.