GUVI  
DAY- 1 (TASK)

Q1) Write a blog on Difference between HTTP1.1 vs HTTP2 ?

HTTP/1 and HTTP/2 are both protocols that are used to transfer data over the internet, but there are several key differences between the two. Here are some of the main differences:

PERFORMANCE: One of the most significant difference between HTTP/1 and

HTTP/2 is the way they handle request and response.

* + HTTP/1:It send request and response one at a time.
  + HTTP/2:It allows multiple request and response to be sent simultaneously. This can significantly improve performance and reduce latency.

MULTIPLEXING:

* HTTP/1: It only one request can be sent on a single connection at a time, which can leads to slow page load time.
* HTTP/2:It allows multiple request and response to be sent and received simultaneously over a single connection which improves the performance.

BINARY FORMATING:

* HTTP/1: Use a text-based format for data transfer, which can be inefficient and slow.
* HTTP/2: Use a binary format , which is more compact and easier to parse, resulting in faster data transfer.

SEVER PUSH:

HTTP/2 introduce the concept of sever push which allow s a server to send additional resource to a client before they are requested. This can further improve performance by reducing the number of request required to load a page.

HEADER COMPRESSION:

HTTP/2 includes header compression which reduces the amount of data that needs to be transmitted by compressing header information. This can help to reduce latency and improve performance.

Over all HTTP/2 is a more advanced protocol that is designed to address many of the performance limitation of HTTP/1. It offer faster page load time, reduced latency and improved efficiency, making it a popular choice for many modern web applications.