1. **DIFFERENTS BETWEEN (HTTP 1.1 VS HTTP 2):**

**HTTP 1.1**

* It compresses data by itself.
* A text-based protocol uses plain text to encode and transmit data.
* The client sends a request to a server, and the server sends a response back to the client.
* A separate connection is established for each request and response, which can add overhead and latency to the communication process.
* HTTP 1.1 cannot handle buffer overflow vulnerabilities due to the lack of sufficient measures.
* HTTP 1.1 does not include any in-built features, so the performance it delivers is less efficient.

**HTTP 2.0**

* It uses HPACK for data compression.
* It works on the binary protocol as a series of binary codes encode and transmit data rather than plain text.
* A different underlying [protocol called Secure](https://cheapsslweb.com/blog/an-ultimate-guide-on-secure-shell-protocol) Remote Protocol 2 (SRP2) establishes a secure connection between a client and a server.
* It allows multiplexing so multiple requests and responses can be sent over a single connection.
* HTTP 2 includes measures to prevent buffer overflow vulnerabilities.
* HTTP 2 is designed to be more efficient and performant than HTTP 1.1. This is because HTTP 2 includes several features like multiplexing, binary protocol and header compression.