1)Difference between HTTP 1.1 and HTTP 2

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| **HTTP 1.1** | **HTTP 2** |
| It was developed in the year 1997 | It was developed in the year 2015 |
| It compresses data by itself | It uses HPACK for data compression |
| Binary Protocol A text-based protocol uses plain text to encode and transmit data | It works on the binary protocol as a series of binary codes encode and transmit data rather than plain text |
| The client sends a request to a server, and the server sends a response back to the client | A different underlying protocol called Secure Remote Protocol 2 (SRP2) establishes a secure connection between a client and a server |
| A separate connection is established for each request and response, which can add overhead and latency to the communication process | It allows multiplexing so multiple requests and responses can be sent over a single connection |
| HTTP 1.1 does not include any in-built features, so the performance it delivers is less efficient | 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 |

2) objects and its internal representation in Javascript

Objects are important data types in javascript. Objects are different than primitive datatypes (i.e. number, string, boolean, etc.). Primitive data types contain one value but Objects can hold many values in form of Key: value pair. These keys can be variables or functions and are called properties and methods, respectively, in the context of an object.

ObjectName.ObjectProperty = propertyValue