

# Javascript - Day -1 : Introduction to Browser & web

1 a.

Statically typed language	Dynamically Typed Language
Data type of the variable should be mentioned at the time of variable declaration  Example :- C, Java	No need to mention the data type to a variable.  Example:- Python,JavaScript

1 b.

Programming Language	Scripting Language
1.Includes Compilation  2.More access to Native system  3. Faster with modern Hardware setup	1.No need of Compilation  2.Less access to Native System  3.Compared to programming language, it is slower

2

HTTP 1.1	HTTP2
1.HTTP/1.1 loads resources one after the other, so if one resource cannot be loaded, it blocks all the other resources behind it.	1.HTTP/2 is able to use a single TCP connection to send multiple streams of data at once so that no one resource blocks any other resource
2.Header compression is not efficient when compared with HTTP 2	2.HTTP/2 uses a more advanced compression method called HPACK that eliminates redundant information in HTTP header packets.
3. This is in use from 1997	3.This is in use from 2015

Note :- HTTP 3 is in use but it is not adopted globally. The key difference between HTTP/3 and previous versions of the protocol is that HTTP/3 runs over QUIC instead of TCP. QUIC is a faster and more secure transport layer protocol that is designed for the needs of the modern Internet.