1.a)<https://stackoverflow.com/questions/1517582/what-is-the-difference-between-statically-typed-and-dynamically-typed-languages>

Statically Typed Language: A language is statically typed if the type of a variable is known at compile time. For some languages this means that you as the programmer must specify what type each variable is. The main advantage here is that all kinds of checking can be done by the compiler, and therefore a lot of trivial bugs are caught at a very early stage.

Eg: Java, C, C+ etc.

Dynamically Typed Language: A language is dynamically typed if the type is associated with run-time values, and not named variables/fields/etc. This means that you as a programmer can write a little quicker because you do not have to specify types every time. Dynamically typed programming languages do type checking at run-time as opposed to compile-time

Eg: python , PHP, Java script etc.

1b) <https://stackoverflow.com/questions/17253545/scripting-language-vs-programming-language>

Scripting Language Vs Programming Language:

Scripting Language: A scripting language is a programming language that is used to manipulate, customize, and automate the facilities of an existing system. In such systems, useful functionality is already available through a user interface, and the scripting language is a mechanism for exposing that functionality to program control.

Eg:

* JavaScript
* VBScript and VBA
* Powershell Script

Programming language: Programming Language generally is used to code the system from Scratch to accomplish a specific task as per the requirement.

Eg:

* C
* C++

3. Difference between HTTP1.1 vs HTTP2

Ans: [HTTP](https://www.cloudflare.com/learning/ddos/glossary/hypertext-transfer-protocol-http/) stands for hypertext transfer protocol, and it is the basis for almost all web applications. More specifically, HTTP is the method computers and servers use to request and send information

The first usable version of HTTP was created in 1997. Because it went through several stages of development, this first version of HTTP was called HTTP/1.1. This version is still in use on the web. In 2015, a new version of HTTP called [HTTP/2](https://www.cloudflare.com/website-optimization/http2/what-is-http2/) was created.

HTTP/2 solves several problems that the creators of HTTP/1.1 did not anticipate. In particular, HTTP/2 is much faster and more efficient than HTTP/1.1. which includes higher performance in Multiplexing,Header Compression prioritization etc.