MERN STACK DEVELOPMENT
Introduction to Browser & Web - Task 1

1. a) Statically Typed and Dynamically Typed Languages

» Statically typed languages do type checking at compile time against run time.
» Can't able to change the variable to a type, because typing related with variables.
» Bug are caught at early stage.

e.g. C, C++, Java

» Dynamically typed languages do type checking at runtime against compile time.
» Can able to change the variable to a type, because typing is related with value it assumes at run time.
» Can write a code quickly.

e.g. Javascript, Ruby, Python

1. b) Programming Language VS Scripting Language

» Programming language is formal language that specifies the set of instructions for computer to produce output.
» Programming languages are compile based and run independently.
» It is used to build an application and harder to use.

e.g. C, C++, Java

» Scripting language is a programming language that supports scripts.
» Scripts are written to perform special runtime environment by human operator.
» Scripting languages are interpreter based and run inside another program.
» It is used to control app behaviour and easy to use.

e.g. Javascript, Ruby, Python