

# Week 1

## ❖ What is JavaScript :

- JavaScript is a programming high level language
- Programming is simply:
  - The process of writing the steps a computer needs to take to complete a certain task
  - sort of like a bridge that we use to facilitate communication between computers and people
- JavaScript is the core web development
- JavaScript can work in frontend using their frameworks (Angular, React, Vue, Nextjs, etc...) and in backend (nodejs, nestjs, meteor (forked from nodejs), etc....)
- The spread of JavaScript led to be used in every interactivity web content like ( interactive maps and client side validation)
- JavaScript also has alternatives for it like VBscript and Typescript (which it used to compile down JavaScript so the browser can understand it )
- JavaScript is baked in the browser which allows us to directly interact with our web pages dynamically on the client
- JavaScript it can be used to power up websites communicate with databases provide native fields so it can interact with web apps
- JQuery is a library in JavaScript that facilitated the incompatibility of web browsers by giving features that make code possibly works in all the browsers in the internet
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