**ONE SHOT JAVASCRIPT**

**Basic requirements to build a website:**

1. HTML(skeleton)
2. CSS(skin, facial features)
3. JAVASCRIPT(brain)

**How website works?**Client request for the website(GET) -->> Process request by the web server -->> Server returns the response(POST)

**HTML:**

Hyper Text Markup Language

Gives basic skeleton to web applications and websites

Well standardized system

**CSS:**

Cascading Style Sheet

Used to handle the presentation of the web-page containing HTML

Makes our website beautiful and modern looking

**JAVASCRIPT:**

High level dynamic interpreted programming language

Allows client side scripting to create completely dynamic web applications and websites

Makes pages **alive**

Scripts can be executed in the browser itself

JS can be executed both on the browser as well as the server

Safe language

**DOM(Document Object Model):**

Programming interface for web documents. It represents a document as nodes and objects allowing programs to change the document’s structure, style and content.

Cross platform and language independent

Allows JS to be portable among Web browsers

**Why is DOM used in JS?**

DOM allows us to create, change or remove elements from the document.

**JSON(JavaScript Object Notation):**

Used to transmit data between a server and web application, such as sending data from the server to the client so it can be displayed on a web page.

Text format for storing and transporting data.

Language independent.

**ECMAScript:**

Commonly used for client-side scripting on the WWW.

Used for server-side applications and services using run-time environments.