



HyperText Markup Language (HTML)

[āch-(.)tē-(.)em-'el]

The basic scripting language used by web browsers to render pages on the world wide web.

HTML , CSS, JS, GIT AND NODE JS

Aayush Raj

Different Types of Languages:

- 1. Markup Language**
 - Describe data and presentation
- 2. Programming Language**
 - Create full app with logical structure
- 3. Scripting Language**
 - Automates task
- 4. Query Language**
 - Retrieve data from database

Things on HTML(hyper text markup language):

1. Definition of HTML , purpose of Html
2. W3C(World Web
3. IETF(Internet Engineering Task Force)--TCP/UDP/FTP
4. WHAT WG (2004) , MDN , MSDN
5. Different types of Tags: Anchor , para , div ...
6. Difference between Inline and Block element
7. Property , Attributes and Values
8. How to make tables and Form

CSS (Cascading Style Sheets) is a language used to style and layout web pages. Here are the main topics and concepts you should be familiar with when learning and working with CSS:

1. Selectors

Basic Selectors: `*`, element selectors (`p`, `h1`), class selectors (`.className`), ID selectors (`#idName`)

Attribute Selectors: `[attribute]`, `[attribute="value"]`

Pseudo-Classes: `:hover`, `:active`, `:nth-child()`, `:not()`

Pseudo-Elements: `::before`, `::after`, `::first-letter`

2. Box Model

3. Color and Background

4. CSS Units

- **Absolute Units:** `px`, `pt`, `cm`, `mm`
- **Relative Units:** `em`, `%`, `vw`, `vh`

5. Bootstrap and Tailwind

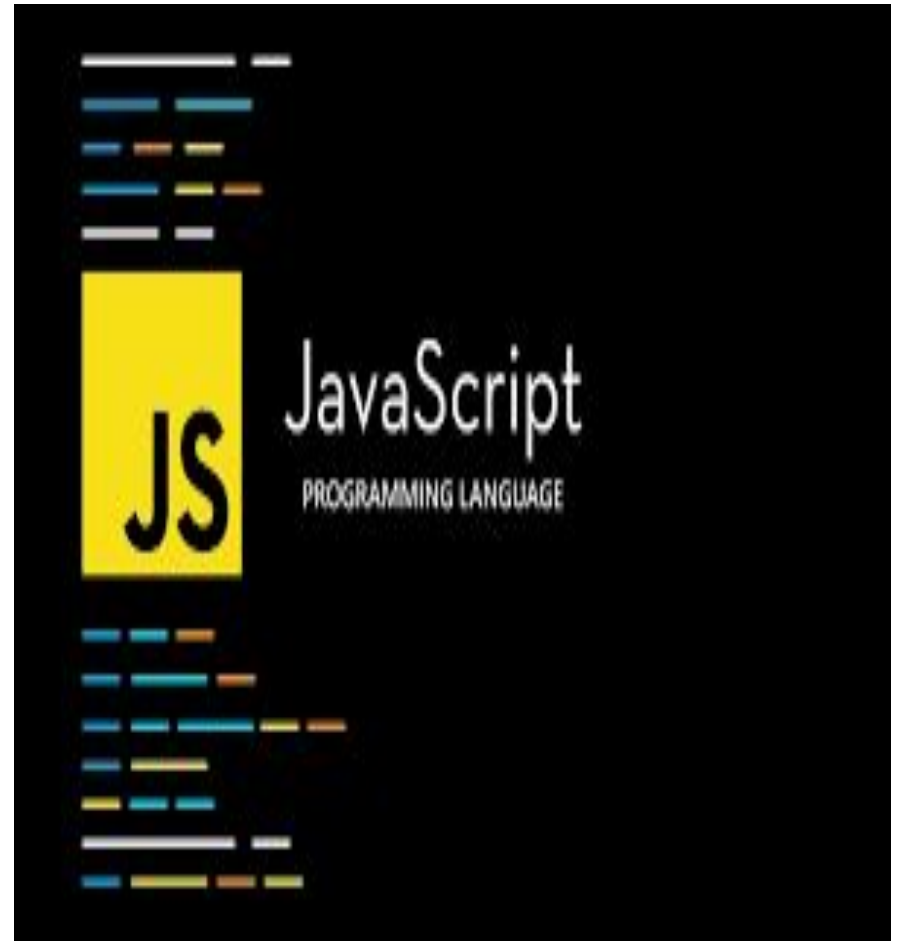
Java-Script:

- Used to create dynamic web-page
- 1. Data types
- 2. Key-words
- 3. Event-handling
- 4. DOM-manipulation

GIT

NODE JS

Agile-methodology



Challenges during learning:

1. Form Handling

Implemented `handleSubmit()` function to manage form submission.

Achieved form handling features.

2 Dynamic Video Display

Developed `changeVideo()` function that toggles the active class on video iframes.

Successfully displayed one video at a time.

3 Animation Effects

Created keyframe animations in CSS and applied them to elements to enhance user experience.

Created a more visually appealing layout.

4 Image Visibility Control

Used `style.display` to hide images and correctly referenced elements.

