

ONE MONTH TRAINING AT HB INFOTECH WEEK1

Day 1 — HTML Basics & Page Structure

- Gained understanding of how a basic HTML document is structured from top to bottom.
- Explored essential tags such as headings, paragraphs, images, links, and lists to create meaningful page content.
- Used `<header>`, `<main>`, and `<footer>` to build semantic sections inside the webpage.
- Inserted multiple levels of headings (`<h1>`–`<h6>`), experimented with paragraph spacing, line breaks, `` and `` tags for emphasis.
- Added internal and external links using `<a>` and explored attributes like `target="_blank"` and `href`.
- Inserted images using `` and experimented with attributes such as `alt`, `width`, and `height`.
- Created ordered lists, unordered lists, and nested lists for hierarchical content.
- Practiced using VS Code, Notepad++, and Live Server to write HTML and view real-time output in the browser.

Day 2 — HTML Forms & Tables

- Learned how to collect user input using forms and understood the structure and semantics of form elements.
- Built a complete registration form using text fields, password fields, radio buttons, checkboxes, and dropdown menus.
- Styled input placeholders and observed how browsers automatically provide default validation for required fields.

- Practiced using form-specific input types such as email and number and saw how the browser applies built-in rules.
- Created a student record table using `<table>`, `<thead>`, `<tbody>`, `<tr>`, `<th>`, and `<td>` to represent tabular data properly.

Day 3 — CSS Fundamentals: Selectors, Box Model, Text Styling

- Understood how to connect CSS to HTML using external stylesheets and why external styling is cleaner and reusable.
- Learned different types of CSS selectors including element, class, ID
- Experimented with the box model by adding borders, padding, and margins to see how element spacing changes.
- Worked with text formatting properties such as font families, font weights, letter spacing, line height, and text alignment to improve readability.

Day 4 — HTML, CSS TEMPLATE

- Built a complete webpage layout using **CSS Grid**, including the following sections:
 - o Header
 - o Sidebar
 - o Main Content
 - o Footer
- Learned how to position each area using `grid-template-areas`, `grid-gap`, and responsive column definitions.
- Created a responsive **Netflix homepage clone**, applying real-world layout patterns, banners, images, and styling.

- Used media queries to ensure the template adjusted correctly for mobile, tablet, and desktop screens.

Day 5 — JavaScript Fundamentals (Conditions, Operators, Variables)

- Learned the basics of JavaScript including variables (let, const), data types, and operators.
- Practiced writing conditional statements using if, else if, and else to control program flow.
- Explored comparison operators (==, ===, !=, >, <) and logical operators (&&, ||, !).
- Wrote small programs to check eligibility, validate numbers, and compare user inputs.
- Executed JavaScript in browser console and VS Code to understand how scripts run.
- Understood where to place <script> tags and how DOM loading affects execution.