Day 3 – Daily Diary (Training TR-102)

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 Topic Covered: HTML Fundamentals and Introduction to CSS

◆ **What I Learned Today:**

On the third day of my training, we focused on **strengthening our HTML knowledge** and were introduced to **Cascading Style Sheets (CSS)**. HTML provides the basic structure of a webpage, but CSS is what gives it a professional and visually appealing look.

I learned the importance of **separating structure and design** — HTML defines the content, while CSS defines the appearance. The trainer explained the three main ways to apply CSS:

1. **Inline CSS** – applying styles directly to HTML elements.

2. **Internal CSS** – adding styles within a <style> tag in the HTML <head>.

3. **External CSS** – linking a separate .css file to the HTML document, which is considered best practice for larger projects.

The concept of **selectors, properties, and values** in CSS was also covered. I learned how to use different types of selectors, including element selectors, class selectors, and ID selectors, to target specific elements on a webpage. The session included practical examples, such as styling text (font-family, font-size, color), backgrounds (color, images), and layout adjustments (margin, padding, borders).

We also discussed the importance of **responsive design** and how CSS helps webpages look consistent across different devices and screen sizes.

◆ **Activities Performed:**

1. Revisited HTML basics, including headings, paragraphs, lists, tables, and forms.

2. Created a sample webpage with content structured in HTML.

3. Applied CSS styling to the webpage to modify colors, fonts, and element positioning.

4. Practiced linking an external CSS file to an HTML page and observed how changes in CSS reflect immediately on the webpage.

5. Used different selectors and properties to style multiple elements efficiently.

6. Explored CSS box model concepts including margin, padding, border, and content.

7. Tested webpages in different browsers to see consistent styling results.

- ◆ **Skills Gained:**

  - Strong understanding of HTML fundamentals and advanced elements like tables, forms, and lists.

  - Ability to apply CSS to design and style web pages professionally.

  - Knowledge of CSS selectors, properties, and the box model.

  - Hands-on experience combining HTML and CSS to create visually appealing webpages.

  - Awareness of best practices in web development, including separation of structure and design, and responsive layout considerations.

Reflection:

Today's session was extremely valuable as it bridged the gap between **basic webpage creation and actual web design**. I realized that HTML alone is not enough to make a website attractive; CSS is essential to create layouts, control visual appearance, and improve user experience.

By working on practical exercises, I understood how small CSS changes can greatly enhance a webpage's look and feel. I also gained insight into how external CSS files make web development more organized and maintainable, especially for larger projects. This session has motivated me to experiment further with CSS properties and create modern, responsive webpages.

Overall, Day 3 laid a **strong foundation in front-end development**, preparing me for more advanced topics like **Bootstrap and responsive frameworks** in the upcoming sessions.