**TRAINING TR-102 REPORT DAY 10**

3-JULY-2025

**I Learned Today:**

**What is CSS Grid?**

* CSS Grid is a **two-dimensional layout system** (both rows and columns).
* It gives complete control over **row and column positioning** of elements.

**Basic Grid Properties:**

* For the **grid container**:
  + display: grid;
  + grid-template-columns and grid-template-rows – Define the number and size of columns and rows.
  + gap – Adds spacing between grid items.
  + justify-items / align-items – Controls alignment inside each cell.
* For **grid items**:
  + grid-column / grid-row – Controls where items are placed.
  + grid-area – Used with named areas.

**💻 What I Practiced:**

* Built a simple **3x2 grid layout**.
* Placed content in specific grid areas using grid-column and grid-row.
* Compared layout behavior with Flexbox.

**New Tags or Concepts I Learned:**

* Grid properties: display: grid, grid-template-columns, grid-template-rows
* Positioning items: grid-column, grid-row
* Grid vs Flexbox:
  + **Flexbox** = best for single-row/column layouts
  + **Grid** = best for full-page or multi-row+column layouts

**😌 My Reflection:**

CSS Grid felt like a powerful tool today. It gave me more control over layout positioning compared to Flexbox. Although it took some time to understand the difference between rows and columns, I enjoyed building the grid. I now feel more confident designing structured, responsive layouts.