**TRAINING TR-102 REPORT DAY 24**

19-JULY-2025

**I Learned Today:**

**Introduction to CSS Grid Layout:**

* CSS Grid is a **two-dimensional layout system**, perfect for creating **complex layouts** involving rows and columns.
* Unlike Flexbox (1D), Grid lets you control both **row and column structure** simultaneously.

**Basic Properties:**

| **Property** | **Use** |
| --- | --- |
| display: grid; | Turns a container into a grid layout |
| grid-template-columns | Defines number & size of columns |
| grid-template-rows | Defines number & size of rows |
| gap / row-gap / column-gap | Controls spacing between grid items |
| grid-column / grid-row | Controls individual item placement |

**What I Practiced:**

* Built a simple **3x2 grid layout** using grid-template-columns.
* Created a **card-based layout** using repeat() and auto-fit.
* Practiced aligning items using place-items, justify-items, and align-items.

**New Tags or Concepts I Learned:**

* display: grid;
* grid-template-columns and repeat()
* Responsive design using minmax() and auto-fit
* Alignment with justify-items, align-items, and place-items
* Grid is ideal for **dashboard layouts, image galleries, and forms**

**😌 My Reflection:**

I really enjoyed learning Grid today! It felt like solving a puzzle — arranging boxes exactly where I want on a page. Grid makes it super easy to build flexible layouts, especially when combined with media queries. I now understand when to use **Flexbox** (for alignment) vs. **Grid** (for full layout control).