**TRAINING TR-102 REPORT DAY 9**

2-JULY-2025

**I Learned Today:**

**📌 What is Flexbox?**

* Flexbox (Flexible Box Layout) is a **one-dimensional layout method** for arranging items in **rows or columns**.
* It helps to create **responsive and space-efficient layouts**.

**📌 Key Flexbox Properties:**

* On the **container**:
  + display: flex; – Enables Flexbox
  + flex-direction – Row (default), column, row-reverse, column-reverse
  + justify-content – Aligns items **horizontally** (e.g., center, space-between, space-around)
  + align-items – Aligns items **vertically** (e.g., stretch, center, flex-start, flex-end)
  + flex-wrap – Allows items to wrap on multiple lines
* On the **items**:
  + flex – Controls how items grow or shrink
  + align-self – Overrides align-items for individual item

**💻 What I Practiced:**

* Created a horizontal navigation menu using Flexbox.
* Built a responsive box layout that wraps items on smaller screens.
* Tested alignment using justify-content and align-items.

**New Tags or Concepts I Learned:**

* Flexbox container and item rules
* Layout alignment using justify-content and align-items
* Responsive wrapping with flex-wrap

**😌 My Reflection:**

Flexbox is one of the most useful tools I’ve learned in CSS so far. It made layout design much easier and more flexible. I found justify-content and align-items especially helpful in centering and spacing items. I enjoyed building layouts that work well on different screen sizes. I’m excited to try building a full webpage layout using Flexbox soon!