CSS Grid: 15-Day Master Plan

🎯 15-Day CSS Grid Learning Roadmap

Day 1 – Introduction

- Understand CSS Grid
- `display: grid`
- Rows & columns basics (`grid-template-columns`, `grid-template-rows`)
- Practice: 2x2 box grid layout

Day 2 – Track Sizing

- Fixed units (`px`, `%`)
- Flexible units (`fr`, `auto`)
- Practice: 3-column layout (sidebar + content + sidebar)

Day 3 – Gap & Alignment

- `gap`, `row-gap`, `column-gap`
- `justify-items`, `align-items`, `place-items`
- Practice: Card layout with evenly spaced items

Day 4 – Grid Lines

- Item placement with `grid-column-start/end`, `grid-row-start/end`
- `span` keyword
- Practice: Layout with one item spanning multiple columns

Day 5 – Grid Areas (Basics)

- `grid-template-areas`
- Assigning areas with `grid-area`
- Practice: Simple website layout (header, sidebar, main, footer)

Day 6 – Nested Grids

- Grids inside grid items
- Practice: Dashboard with widgets (grid inside main area)

Day 7 – Responsive Grids

- `auto-fit` vs `auto-fill`
- `minmax()`
- Practice: Responsive image gallery

Day 8 – Implicit vs Explicit Grids

• How Grid creates new rows automatically
• `grid-auto-rows` , `grid-auto-flow`
• Practice: Pinterest-style layout

Day 9 – Overlapping Items

• Layering grid items
• `z-index` in grids
• Practice: Magazine-style layout with overlapping titles on images

Day 10 – Combining Grid & Flexbox

• When to use Grid vs Flexbox
• Practice: Product page → Grid for layout, Flexbox for nav & buttons

Day 11 – Advanced Alignment

• `justify-content` , `align-content` , `place-content`
• Practice: Centering a login form in a page

Day 12 – Real Project #1

• Travel Website Homepage with header, hero section, grid-based destinations

Day 13 – Real Project #2

• Blog / News Website with multi-column magazine-style layout

Day 14 – Real Project #3

• Admin Dashboard with sidebar, header, widgets, charts

Day 15 – Real Project #4

• E-commerce Product Page (grid-based product cards, filters sidebar, etc.)

Note: Practice every day with real layouts. Combine Grid + Flexbox for best results. By the end of 15 days, you will be able to create any complex modern website layout.