Assignment 1 — Responsive Admin Dashboard (InsightPro)

Overview / Goal

In this assignment, you will design and develop a **fully responsive admin dashboard interface** called **InsightPro** using only **HTML and CSS**.
The dashboard must demonstrate advanced CSS techniques such as responsive grid layouts, sidebar toggle (CSS-only), theme switching, KPI cards, CSS-only charts, forms, and a print-optimized stylesheet.

This project will test your ability to build professional, accessible, and aesthetically pleasing interfaces without using JavaScript.

Learning Outcomes

By completing this assignment, you will:

- ✓ Master **CSS Grid and Flexbox** for building complex responsive layouts.
- ✓ Use **CSS variables** for theming (light/dark mode).
- ✓ Implement **CSS-only interactivity** with the :checked pseudo-class.
- ✓ Apply **responsive design principles** using media queries.
- ✓ Create **forms and widgets** with consistent styling.
- ✓ Build **CSS-only data visualizations** (progress bars, charts).
- ✓ Design **print-friendly stylesheets** for exporting reports.
- ✓ Enhance **semantic structure** and accessibility of web pages.

Requirements

Your dashboard must include the following components:

Layout Structure

- A header with logo/title and theme toggle button.
- A collapsible **sidebar navigation** (CSS-only).
- A main content area with **KPI cards, widgets, and charts**.
- An optional right-hand column for notifications or quick links.

Sidebar Collapse (CSS-only)

- Sidebar should collapse/expand using a **checkbox hack** or `:checked` pseudo-class.
- No JavaScript is allowed.

Dark/Light Theme Toggle

- Use **CSS variables** for colors and switch themes with a toggle (CSS-only).

Widgets & KPI Cards

- At least **3 KPI cards** showing values (e.g., Sales, Users, Revenue).
- Include hover effects and smooth transitions.

CSS-only Charts

- At least one bar chart or circular progress chart made purely with CSS.

Forms Section

- A styled form for adding/editing user data.
- Ensure proper labels, inputs, and accessibility.

Print Stylesheet

- A separate CSS file (`print.css`) that reformats the dashboard for clean, printer-friendly output.

Accessibility & Semantics

- Use semantic HTML5 elements (`<header>`, `<nav>`, `<main>`, `<aside>`, `<footer>`).
- Add `alt` attributes for images and proper form labeling.

No JavaScript

- All interactivity (sidebar, theme toggle, etc.) must be implemented **only with CSS**.

Deliverables

- A folder named Assignment1_YourName_Registration Number/ containing:
  - index.html
  - css/styles.css
  - css/print.css
  - Any additional assets (images, icons, fonts).
- Screenshots of the dashboard in **desktop, tablet, and mobile views**.
- A PDF print version of the dashboard.