Below are **4 scenario-based CSS assignments** designed for **developers**. Each assignment enforces practical usage of:

- CSS Types (Inline, Internal, External)

- CSS Selectors (element, class, id, group, descendant, attribute, pseudo-class)

- CSS Properties

- CSS Box Model (margin, padding, border, box-sizing)

- Layout & spacing control

- Reusability via External CSS

✅ Assignment 1: Healthcare Website – "MediCare Clinic"

🎯 Scenario

You are hired to design the front-end layout for a local healthcare clinic website. The clinic wants a clean and professional design.

📌 Requirements

1️⃣ Page Structure

Create a single page containing:

- Header (Clinic Name + Navigation)

- Banner section

- Services section (3 service cards)

- Doctor Profile section

- Contact form

- Footer

🎨 CSS Requirements

✔ CSS Types

- Use **External CSS** for entire styling

- Use **Internal CSS** for one special section (e.g., doctor profile highlight)

- Use **Inline CSS** for one emergency alert banner

✔ CSS Selectors (Must Use)

- Element selector (h1, p)

- Class selector (.service-card)

- ID selector (#contact)

- Group selector (h1, h2, h3)

- Descendant selector (.services p)

- Pseudo-class (button:hover)

- Attribute selector (input[type="text"])

✔ Box Model Practice

Each service card must:

- Have padding: 20px

- Have margin: 15px

- Have border: 2px solid

- Use box-sizing: border-box

✔ Styling Rules

- Soft blue & white theme

- Buttons change color on hover

- Add spacing between sections

- Add rounded corners to cards

🎓 Evaluation Criteria

- Proper selector usage

- Clean layout spacing

- Proper box model understanding

- Separation of concerns (external CSS used correctly)

✅ Assignment 2: Education Portal – "SmartLearn Academy"

🎯 Scenario

You are building a website for an online learning platform offering multiple courses.

📌 Requirements

1️⃣ Page Sections

- Navigation bar

- Hero section

- Course listing (6 courses in grid format)

- Testimonials

- Footer

🎨 CSS Requirements

✔ CSS Types

- Entire design must use **External CSS**

- Use Internal CSS only for special announcement banner

✔ CSS Selectors (Must Use)

- Universal selector (*)

- Class selector (.course)

- ID selector (#hero)

- Child selector (.course > h3)

- Adjacent sibling selector (h3 + p)

- Pseudo-class (a:hover)

- Pseudo-class (li:first-child)

✔ Box Model

- Each course card must:

    o   Have border

    o   Padding inside

    o   Margin outside

    o   Fixed width

- Apply box-sizing: border-box

✔ Layout Task

- Use display: inline-block OR flexbox for course grid

- Add hover effect for course card

- Create button with padding & border radius

🎓 Bonus Challenge

Add different background color to:

- First course

- Last course

✅ Assignment 3: E-Commerce Website – "ShopEasy"

🎯 Scenario

You are building a product listing page for an online shopping platform.

📌 Requirements

1️⃣ Page Layout

- Header (Logo + Menu)

- Product Filter Sidebar

- Product Grid (8 products)

- Shopping Cart summary section

- Footer

🎨 CSS Requirements

✔ CSS Types

- Entire styling must be done in **External CSS**

- Use Inline CSS only for "Limited Offer" badge

✔ CSS Selectors (Must Use)

- Class selector (.product-card)

- ID selector (#cart)

- Descendant selector (.product-card img)

- Attribute selector (input[type="checkbox"])

- Pseudo-class (.product-card:hover)

- nth-child selector (.product-card:nth-child(even))

✔ Box Model Practice

Each product card must:

- Have padding
- Have border
- Have margin
- Have fixed width
- Use box-shadow

✔ Practical Styling

- Add hover effect that scales product slightly
- Add "Add to Cart" button with hover effect
- Different background for even product cards

🎓 Layout Challenge

Use:

- float OR
- flexbox

to align product grid.

✅ Assignment 4: Banking Application – "SecureBank"

🎯 Scenario

You are designing a dashboard UI for an online banking system.

📌 Requirements

1️⃣ Dashboard Sections

- Sidebar navigation

- Top header

- Account summary cards

- Recent transactions table

- Footer

🎨 **CSS Requirements**

✔ **CSS Types**

- External CSS for complete layout

- Internal CSS for special "Account Balance Highlight"

- Inline CSS for warning notification

✔ **CSS Selectors (Must Use)**

- Element selector

- Class selector

- ID selector

- Descendant selector

- Group selector

- Attribute selector (input[type="password"])

- Pseudo-class (tr:hover)

- Pseudo-class (button:active)

✔ **Box Model**

- Summary cards must include:

  - Margin

  - Padding

  - Border

- o Border radius

- Use box-sizing: border-box

✔ Advanced Styling

- Hover effect on transaction rows

- Different color for debit & credit

- Styled login form