Assignment 3

"Comprehensive Webpage Styling with CSS3"

Objective:

To design and implement a well-structured and visually appealing webpage using **CSS3 features**, focusing on:

1. **Navigation bar styling**
2. **Background images and colors**
3. **Typography and font styles**
4. **Borders, boxes, and margins**
5. **Positioning elements effectively**
6. **Animations and transitions for better user experience**

Instructions:

- Use **HTML5 and CSS3** (No JavaScript required).
- Create a **responsive** webpage that contains the following sections:

1. **Header & Navigation Bar:**
    o A horizontal navigation bar with at least four menu items.
    o Hover effects with smooth transitions.
    o Fixed or sticky positioning.
2. **Hero Section (With Background Image & Colors):**
    o A full-width banner with a **background image** and an overlay color.
    o Use `background-size: cover;` and `background-position: center;` for a responsive design.
    o Text should be well-aligned and readable over the background.
3. **Content Sections (Using Fonts, Borders, and Boxes):**
    o Create at least two sections with different **font families**, font sizes, and weights.
    o Apply **borders and box shadows** to highlight content.
    o Use `padding` and `margin` effectively to create a clean layout.
4. **Positioning & Layout:**
    o Use **CSS Grid or Flexbox** for a responsive and well-structured layout.
    o Position some elements using **relative, absolute, and fixed positioning**.
5. **Footer Section:**
    o A simple footer with social media icons (using FontAwesome or custom icons).
6. **CSS Animations & Transitions:**
    o Add hover effects on buttons and images.
    o Include a **fade-in effect** when the page loads using `@keyframes`.
    o Apply **smooth scrolling effects** using `scroll-behavior: smooth;`.
    o Use **CSS transitions** for links and buttons.

Advanced topics to be implemented in assignment

✓ Implement a **dark mode** using CSS variables.
✓ Create a **card hover effect** using CSS transforms.
✓ Use a **parallax effect** in one of the sections.

Expected Outcome:

A **visually appealing**, well-structured, and animated webpage demonstrating various **CSS3 features** effectively.