**Exercise 6: introduce CSS**

**Objective:**  
Apply basic CSS concepts to transform a plain HTML structure into a visually appealing personal profile page.

**Prerequisites:** Basic HTML knowledge

**Exercise Overview**

You'll be given a basic HTML structure for a personal profile page. Your task is to create an external CSS file to style this page according to the specifications below.

**Provided HTML Structure**

html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>My Personal Profile</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<h1>My Personal Profile</h1>

</header>

<main>

<section class="profile-section">

<img src="profile-picture.jpg" alt="Profile Picture" class="profile-img">

<h2>About Me</h2>

<p>Hello! I'm a student passionate about web development. I enjoy learning new technologies and creating beautiful websites.</p>

</section>

<section class="hobbies-section">

<h2>My Hobbies</h2>

<ul>

<li>Photography</li>

<li>Reading</li>

<li>Hiking</li>

<li>Coding</li>

</ul>

</section>

<section class="contact-section">

<h2>Contact Information</h2>

<p>Email: student@example.com</p>

<p>Phone: +123 456 7890</p>

<button class="contact-btn">Send Message</button>

</section>

</main>

<footer>

<p>&copy; 2023 My Personal Profile. All rights reserved.</p>

</footer>

</body>

</html>

**CSS Requirements**

Create a file named styles.css and implement the following styling requirements:

**1. Basic Styling (20 points)**

* Set the font family for the entire page to Arial, with sans-serif as fallback
* Set the background color of the page to a light gray (#f5f5f5)
* Set the text color for the entire page to dark gray (#333)
* Remove default margin from the body element

**2. Header Styling (15 points)**

* Set the background color of the header to a dark blue (#2c3e50)
* Set the text color in the header to white
* Center align the text in the header
* Add padding of 20px to the header

**3. Section Styling (25 points)**

* Add a white background to all sections
* Add a subtle box shadow to each section (use: box-shadow: 0 2px 5px rgba(0,0,0,0.1))
* Add 20px padding to each section
* Add 20px margin at the bottom of each section
* Round the corners of each section by 5px

**4. Typography (15 points)**

* Set all h2 elements to have a color of #2c3e50
* Make all h2 elements have a bottom border that is 2px solid #3498db
* Set the line height of paragraphs to 1.6
* Style the list items in the hobbies section to use square bullets

**5. Image Styling (10 points)**

* Make the profile image circular (hint: use border-radius: 50%)
* Set a fixed width of 150px for the profile image
* Add a subtle border around the image (2px solid #ddd)
* Center the image within its container

**6. Button Styling (10 points)**

* Style the contact button with a background color of #3498db
* Set the text color of the button to white
* Remove the default border and add 10px padding (vertical) and 20px (horizontal)
* Round the button corners by 4px
* Add a hover effect that changes the background color to #2980b9

**7. Footer Styling (5 points)**

* Center align the text in the footer
* Add top padding of 20px to the footer
* Set the text color to a medium gray (#7f8c8d)

**Submission Requirements**

* Submit only the styles.css file
* Ensure your CSS is well-organized and commented where necessary
* Test your styles in at least one modern browser