**HTML CSS**

**Aim**

Designing Front Pages of a Website using HTML and CSS Properties.

**Hardware Requirements**

Computer system with the following specifications:

* + Processor: Intel Core i3 or higher version
  + RAM: 4GB or more
  + Storage: 256GB SSD/HDD or larger
  + Display: 14-inch monitor with at least 1920x1080 resolution
  + Internet connectivity for research and testing

**Software Requirements**

* Text editor (any one): Visual Studio Code 1.60.0 or later, Notepad
* Web browser (any one): Google Chrome 92.0.4515.159 or later, Mozilla Firefox 91.0 or later

**Knowledge Requirements**

* Basic understanding of HTML tags and their roles in web content structuring
* Familiarity with CSS properties and their impact on visual styling
* Concept of selectors and how they target specific HTML elements
* Awareness of the CSS Box Model and its components (margin, border, padding, content).

**Theory**

Designing front pages of a website using HTML and CSS properties involves understanding the fundamental concepts of these technologies and how they collaborate to create appealing and functional web pages.

**HTML (Hypertext Markup Language)**

HTML serves as the backbone of web content structuring. It uses tags to define the structure and elements of a webpage. Tags like <h1>, <p>, <a>, and <img> allow content such as headings, paragraphs, links, and images to be placed within the page.

**CSS (Cascading Style Sheets)**

CSS is responsible for styling the HTML elements, making them visually attractive. By applying CSS properties like color, font-family, and margin, you can control the appearance and layout of the content.

**Integration**

HTML and CSS work together harmoniously. HTML structures the content, while CSS styles it. Separating styling from content improves maintainability. CSS rules can be embedded directly into HTML or linked externally using <link>.

In conclusion, understanding HTML and CSS synergy empowers designers to create engaging web pages by combining structured content and appealing visual presentation.

**Code & Output**

**Conclusion/Inference**

This lab provided hands-on experience in designing the front pages of a website using HTML and CSS properties. By combining the structural capabilities of HTML with the visual styling capabilities of CSS, we were able to create an appealing and functional front page for a website. This exercise underscores the importance of web design in crafting engaging and user-friendly digital experiences.

**References**

1. Mozilla Developer Network (MDN) Web Docs: <https://developer.mozilla.org/>
2. W3Schools: <https://www.w3schools.com/>