1. Task1 : CSS Basics

**CSS: Cascading Style Sheets**

**CSS (Cascading Style Sheets)** is a programming language used to style HTML elements. It allows you to control the appearance and layout of web pages, including fonts, colors, spacing, and more. CSS separates the content (HTML) from the presentation (CSS), making web development more efficient and maintainable.

**Role of CSS in Web Development**

* **Styling:** CSS is primarily used to style HTML elements, such as changing text colors, font sizes, and background colors.
* **Layout:** CSS can be used to control the layout of web pages, including creating responsive designs that adapt to different screen sizes.
* **Separation of Concerns:** By separating the content and presentation, CSS improves code organization and maintainability.

**Creating a Simple HTML Document with CSS**

**HTML File (index.html):**

HTML

<!DOCTYPE html>

<html>

<head>

<title>My Website</title>

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

</head>

<body>

<h1>Welcome to My Website</h1>

<p>This

is a paragraph of text.</p>

</body>

</html>

Use code [with caution.](/faq#coding)

**CSS File (style.css):**

CSS

body {

background-color: lightblue;

}

h1 {

color: darkblue;

font-size: 36px;

}

p {

color: black;

font-size: 18px;

}

Use code [with caution.](/faq#coding)

**Explanation of CSS Code:**

* **body selector:** Targets the <body> element of the HTML document.
  + background-color: lightblue; sets the background color of the entire page to light blue.
* **h1 selector:** Targets all <h1> elements within the document.
  + color: darkblue; sets the text color of headings to dark blue.
  + font-size: 36px; sets the font size of headings to 36 pixels.
* **p selector:** Targets all <p> elements within the document.
  + color: black; sets the text color of paragraphs to black.
  + font-size: 18px; sets the font size of paragraphs to 18 pixels.

**How it works:**

1. The HTML file links to the CSS file using the <link> tag in the <head> section.
2. The CSS rules defined in style.css are applied to the corresponding HTML elements.
3. The browser renders the page according to the styles specified in the CSS, resulting in a visually formatted web page.

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