**Gimini**

**CSS: Cascading Style Sheets**

**CSS** stands for Cascading Style Sheets. It's a language used to describe the presentation of a document written in HTML or XML. In simpler terms, CSS is responsible for how a webpage looks. It controls the layout, colors, fonts, and other visual elements of a web page.

**Role of CSS in Web Development:**

* **Separation of Concerns:** CSS allows for a clean separation between the structure (HTML) and the presentation (CSS) of a web page. This makes the code easier to maintain, understand, and update.
* **Cross-Platform Compatibility:** CSS ensures that web pages look consistent across different browsers, devices, and screen sizes.
* **Responsiveness:** CSS is crucial for creating responsive web designs that adapt to different screen sizes and orientations.
* **Efficiency:** By using CSS, you can define styles once and apply them to multiple elements, reducing code redundancy.

**Creating a Simple HTML Document with CSS**

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

HTML

<!DOCTYPE html>

<html>

<head>

<title>My First CSS Example</title>

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

</head>

<body>

<h1>Hello, World!</h1>

<p>This is a paragraph of text.</p>

</body>

</html>

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

**CSS Stylesheet (styles.css):**

CSS

body {

background-color: lightblue;

color: white;

font-size: 24px;

}

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

**Explanation of CSS Code:**

1. **body { ... }:** This selector targets the <body> element of the HTML document.
2. **background-color: lightblue;:** Sets the background color of the entire page to light blue.
3. **color: white;:** Sets the color of all text within the <body> to white.
4. **font-size: 24px;:** Sets the font size of all text within the <body> to 24 pixels.

**How it works:**

* The <link> element in the HTML head connects the styles.css file to the HTML document.
* The CSS rules defined in styles.css are applied to the corresponding elements in the HTML.
* The body selector ensures that the styles are applied to the entire page content.

By combining the HTML and CSS, you've created a simple web page with a light blue background, white text, and a larger font size. You can customize the appearance further by adding more CSS rules and targeting specific elements.