**CSS INTRODUCTION**

**1. What is CSS?**

**CSS (Cascading Style Sheets)** is a **language used to style HTML**.

* HTML gives the **structure** (like headings, paragraphs, images).
* CSS gives the **look and feel** (like colors, fonts, sizes, backgrounds, layouts).
* CSS helps make web pages **beautiful, readable, and organized**.
* It is called **cascading** because styles are applied in a **specific order**: Inline → Internal → External.

**Example:**  
HTML only:

<p>Hello!</p>

HTML + CSS:

p {

color: blue;

font-size: 20px;

}

Now the paragraph will appear **blue and 20px font**.

**2.CSS Selectors**

Selectors choose which HTML elements you want to style.

* **Element selector:** targets element directly

p { color: blue; }

* **ID selector:** targets element with specific id #

#header { font-size: 24px; }

* **Class selector:** targets elements with specific class .

.menu { color: red; }

* **Group selector:** multiple elements at once

h1, h2, h3 { font-family: Arial; }

**3. CSS properties**

Some common types:

1. **Text and font**

* color, font-size, font-family, font-weight, text-align, text-decoration

1. **Background**

* background-color, background-image, background-repeat, background-position

1. **Box model (Spacing & size)**

* margin, padding, border, width, height

1. **Positioning**

* position (static, relative, absolute, fixed, sticky), top, left, right, bottom

1. **Display & visibility**

* display (block, inline, inline-block, none)
* visibility (visible, hidden)

1. **Flexbox & Grid**

* display: flex;, justify-content, align-items, display: grid;, grid-template-columns

1. **Other effects**

* opacity, box-shadow, transition, transform

**4. Types of CSS**

**(a) Inline CSS**

* Applied **directly to an HTML element** using the style attribute.
* **Used for quick, small changes**.
* **Example:**

<p style="color:red; font-size:18px;">Hello!</p>

**(b) Internal CSS**

* Written inside a **<style> tag** in the HTML <head> section.
* **Used when styling a single HTML page**.
* **Example:**

<head>

<style>

p {

color: green;

font-size: 20px;

}

</style>

</head>

<body>

<p>Hello!</p>

</body>

**(c) External CSS**

* Written in a **separate .css file**.
* **Used when styling multiple HTML pages** with the same design.
* Linked using <link> tag in the HTML <head>.
* **Example:**  
  **style.css**

p {

color: purple;

font-size: 22px;

}

**HTML file:**

<html>

<head>

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

</head>

<body>

<p>Hello!</p>

</body>

</html>