

Unit IV: Cascading Style Sheets (CSS)

❖ Cascading Style Sheets (CSS)

CSS provides basic and advanced concepts of CSS technology.

The major points of CSS are given below:

- CSS stands for Cascading Style Sheet.
- CSS is used to design HTML tags.
- CSS is a widely used language on the web.
- HTML, CSS and JavaScript are used for web designing. It helps the web designers to apply style on HTML tags.

❖ Why to Learn CSS?

- **CSS saves time:** You can write CSS once and reuse the same sheet in multiple HTML pages.
- **Easy Maintenance:** To make a global change simply change the style, and all elements in all the WebPages will be updated automatically.
- **Search Engines:** CSS is considered a clean coding technique, which means search engines won't have to struggle to "read" its content.
- **Superior styles to HTML:** CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.
- **Offline Browsing:** CSS can store web applications locally with the help of an offline cache. Using this we can view offline websites.

❖ CSS Example

```
<html>
  <head>
    <style>
      h1
      {
        color:white;
        background-color:red;
        padding:5px;
      }
    </style>
  </head>
</html>
```

```
        P
        {
        color:blue;
        }
    </style>
</head>
<body>
    <h1>Write Your First CSS Example</h1>
    <p>This is Paragraph.</p>
</body>
</html>
```

❖ How to add CSS

- CSS is added to HTML pages to format the document according to information in the style sheet.
- There are three ways to insert CSS in HTML documents.
 1. Inline CSS
 2. Internal CSS
 3. External CSS

❖ Inline CSS

- **Inline CSS** is used to apply CSS on a single line or element.

For example:

```
<p style="color:blue">Hello CSS</p>
```

❖ Internal CSS

- Internal CSS is used to apply CSS on a single document or page.
- It can affect all the elements of the page.
- It is written inside the style tag within **head section** of html.

For example:

```
<style>
    P
    {
```

```
        color:blue
    }
</style>
```

❖ External CSS

- External CSS is used to apply CSS on multiple pages or all pages.
- Here, we write all the CSS code in a **css file**.
- Its extension must be **.css** for example **style.css**.

For example: P

```
{
    color:blue
}
```

- You need to link this style.css file to your html pages like this:
`<link rel="stylesheet" type="text/css" href="style.css">`