

## CSS ( Cascading Style Sheets )

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media.
- CSS are used to apply styles like font settings , border settings , background , table settings, layouts, colors and so on the existing html elements.
- CSS will improve the "look" and "feel" of the web page

### CSS can be added to HTML elements in 3 ways:

1. Inline styles
2. Internal styles
3. External styles

#### 1. Inline CSS styles

- When ever CSS is applied for a "specific" tag of a html is known as inline css.
- By using the "**style**" attribute in HTML elements we are adding "**inline**" styles.
- Inline styles are applied in the opening tag only.
- Inline css styles we are adding to current tag and inside current html file must be saved with extension **.html**

**Syntax :** `<tag_name style = "css_PropertyName1 : PropertyValue1; css_PropertyName2 : PropertyValue2; ...." > Content here </close_tag>`

#### Q) Write a program to apply the "Inline CSS" to HTML elements ?

```
<html>
<head>
  <title>Inline CSS</title>
</head>

<body style="background-color: darkcyan">

  <h1 style="color: darkblue;background-color: red;
    font-size: 100px; font-family: cursive"> Welcome to Facebook</h1>
</body>
</html>
```

#### 2. Internal Styles:

- Internal styles are applied by using a `<style>` element inside the `<head>` tag section.
- It is used to apply the styles for the whole webpage that means any where inside the same web-page.
- By using Internal CSS styles, we can apply the same styles for multiple HTML tags with in the current html file.

**Syntax:**

```
<html>
  <head>
    <style>
```

```

        tag_name {
            css_property1 : value1 ;
            css_property2 : value2 ;
            .....
        }
    </style>
</head>

<body>
    =====
    =====
</body>
</html>

```

### Q) Write a program to apply the "Internal CSS" to HTML elements ?

```

===== ***** =====

```

```

<html>
<head>
<title>Internal CSS</title>
<style>
h1{
color: darkblue;
font-family: cursive;
font-size: 100px;
text-align: center;
background-color: orchid;
border-radius: 100px;
}
body{
background-color:blue;
}
</style>
</head>

<body>
<h1>Welcome to Facebook</h1>
</body>
</html>

```

### 3. External Styles:

- External styles are applied by using an external CSS file (.css file)
- All external css styles , we are writing inside one separate file and save the file name as with **.CSS** extension.

For example: demo.css

- Finally, we have to provide the link between **.css** file and **.html** files by using `<link>` tag inside **<head>** tag.  
For example: `<link rel="stylesheet" href="demo.css">`
- We can apply these styles for all html tags which are available in current html file.
- We can use external css styles in multiple web pages for getting reusability styles purpose.

**Syntax:** `<link rel="stylesheet" href="External_styles.css">`

**Note:** Inside `<head>` tag we are writing this `<link>` tag to Map between html file and css file

### Advantages :

- Reusability of code for multiple pages.
- Length of the html programs are reduced
- Burden on the developer is reduced while updating the web-page.

**Q) Write a program to apply the "External CSS" to HTML elements ?**

#### home.html

```
<html>
  <head>
    <title>CSS Types</title>
    <link rel="stylesheet" href="home.css">
  </head>

  <body>
    <h1>Welcome to Facebook</h1>
  </body>
</html>
```

#### home.css

```
h1{
  color: red;
  text-align: center;
  font-size: 100px;
  font-family: cursive;
}
body{
  background-color: green;
}
```