

XII - CHAPTER - 6

CASCADING STYLE SHEETS (**CSS**)

1. Cascading style sheets (CSS) : Cascading Style Sheet (CSS) is an extension of HTML by which we can enhance the look and feel of a website very easily.

2. Advantage using CSS

- ❖ Easy to change layout
- ❖ Reduce the size of a web page
- ❖ Reduce bandwidth
- ❖ Consistency in web pages
- ❖ Viewing options
- ❖ Saves time

3. Define style rules : A style rule tells the browser how to render a particular element such as text, paragraph, image, button etc on a webpage.

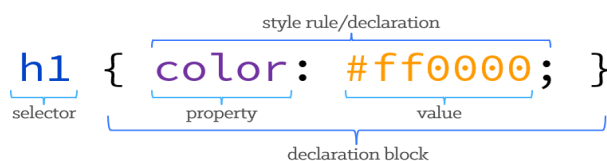
2 Sections of a Style rule

3.1 Selector : A selector is an HTML element that applies a style rule.

3.2 Declaration : A block where the property and value are separated by semicolons.

Property : Properties are keywords used in style rules.

Syntax : **Selector{ property:value; }**



3.1.1 Different selectors in CSS

3.1.1.1 Universal selector : The style rule will be applicable to all the elements in the web page. It uses the * symbol in place of tag element .

Syntax : ***{ property:value; }** Eg. ***{ color: white; }**

3.1.1.2 Type selector : It uses the tag name as selector. The style rule given for all the occurrences of that selector tag in the web page.

Syntax : **Selector { property:value; }** Eg. **P{ color: white; }**

3.1.1.3 Class selector: Apply style rule to the desired element in the web page. Here the dot symbol is used before the class selector name.

Syntax : **.classname{ property:value; }** Eg. **.bgcolor{ color: white; }**

3.1.1.4 ID selector: These selectors are used to apply a style rule only to a single element in the webpage. Here the # symbol is used before the ID selector name.

Syntax : **#IDname{ property:value; }** Eg. **#bgcolor{ color: white; }**

4. Ways to add CSS to a web page :

4.1 Inline style sheet : The 'STYLE' attribute is used inside the HTML tag.

Properties and values are used directly to the attribute.

Eg : `<p style="color:red;">This is a paragraph.</p>`

4.2 Internal style sheet : Style rules are included between<STYLE></STYLE> tags directly placed inside the <HEAD> tag section of an HTML page.

Eg : `<HEAD> <STYLE> P {color:red;} </STYLE> </HEAD>`

4.3 External style sheet : Style rules are saved as a separate file (.css).

This file is attached to the HTML page using the <LINK> tag.

Eg : `<HEAD> <LINK rel="stylesheet"href="mystyle.css"></HEAD>`

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