

CHAPTER 2 – CSS BASICS

What is DOM?

DOM stands for Document Object Model. When a page is loaded, the browser creates a DOM of the page which is constructed as a tree of objects.

HTML id & class Attributes

When an HTML element is given an id, it serves as a unique identifier for that element.

On the other hand, when an HTML element is given a class, it now belongs to that class. More than one elements can belong to a single class but every element must have a unique id (if assigned).

We can add multiple classes to an element like this

`<div id="first" class="c1 c2 c3">`

....

`</div>`

Unique id

multiple classes followed by spaces

Three ways to add CSS to HTML

1. `<style>` tag → Adding `<style>...</style>` to HTML
2. Inline CSS → Adding CSS using style attribute
3. External CSS → Adding a stylesheet (.css) to HTML using `<link>` tag.

CSS Selectors

A CSS selector is used to select an HTML element(s) for styling.

→ Selector

```
body{  
  color:red;      → Declaration (property:value)  
  background:pink; → Declaration  
}
```

Element Selector

It is used to select an element based off the tag name.

e.g.- `h2{`
 `color:blue;`
 `}`

ID Selector

It is used to select an element with a given id.

e.g.- *#first{* → # is used to target by id

```
color:white;  
background:black;  
}
```

Class Selector

It is used to select an element with a given class.

e.g.- *.red{* → . is used to target by class

```
background:red;  
}
```

Important Notes:

- We can group selectors like this:

```
h1, h2, h3, div{  
color:blue;  
}
```

→ h1, h2, h3, & div will be red

- We can use element class as a selector like this:

```
p.red{  
color:red;  
}
```

→ all para with class red will be red

- * can be used as a universal selector to select all the elements

```
*{  
margin:0;  
padding:0;  
}
```

- An inline style will override external & internal styles.

Comments in CSS

Comments in CSS is text which is not parse & is thus ignored.

e.g.- *body*{

...

*/*this text will not be compiled*/*

...

}