

Chapter 1 - Creating our first CSS Website

We will create our first CSS website in this section.

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 and 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">`
 ↑
 unique id

`...`

`</div>`

→ multiple classes followed by spaces

Three ways to add CSS to HTML

There are 3 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 tagname
For example:

```

h2 {
  color: blue;
}
  
```

id selector

It is used to select an element with a given id
For example:

```

#first { → # is used to target by id
  color: white;
  background: black;
}
  
```

Class selector

It is used to select an element with a given class
For example:

```

.red {
  background: red;
}
  
```


Important Notes :

→ We can group selectors like this :

`h1, h2, h3, div {`

`color : blue;` → `h1, h2, h3 and div` will be `blue`.
`}`

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

`p.red {`

`color : red;` → all paragraphs of class `red` will get color of red
`}`

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

`* {`

`margin : 0;`

`padding : 0;`

`}`

→ An inline style will override external and internal styles

Comments in CSS

Comments in CSS is text which is not parse and is thus ignored