



## 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

<sup>unique id</sup>  
<div id="first" class="c1 c2 c3">  
    o o o

</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> o o o </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

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

### 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

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

`p.red {`

`color : red; }` → all paragraphs of `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