**CSS Selectors**

CSS selectors are used to "find" (or select) the HTML elements you want to style.

## id Selector

## class Selector

## Universal Selector

## Grouping Selector

## id Selector

The id selector uses the id attribute of an HTML element to select a specific element.The id of an element is unique within a page, so the id selector is used to select one unique element!

To select an element with a specific id, write a hash (#) character, followed by the id of the element.

e.g.

<!DOCTYPE html>

<html>

<head>

<style>

#para1 {text-align: center; color: red;}

</style>

</head>

<body>

<p id="para1">Hello World!</p>

<p>This paragraph is not affected by the style.</p>

</body>

</html>

## class Selector

The class selector selects HTML elements with a specific class attribute. To select elements with a specific class, write a period (.) character, followed by the class name. The class name should not start with number.

The class selector is used when you want to change group of elements within your html page.

e.g. <!DOCTYPE html>

<html>

<head>

<style>

.center {text-align: center; color: red;}

</style>

</head>

<body>

<h1 class="center">Red and center-aligned heading</h1>

<p class="center">Red and center-aligned paragraph.</p>

</body>

</html>

You can also specify that only specific HTML elements should be affected by a class.

In this example only <p> elements with class="center" will be center-aligned:

<!DOCTYPE html>

<html>

<head>

<style>

p.center {text-align: center; color: red;}

</style>

</head>

<body>

<h1 class="center">This heading will not be affected</h1>

<p class="center">This paragraph will be red and center-aligned.</p>

</body>

</html>

## Universal Selector

The universal selector (\*) selects all HTML elements on the page.

<!DOCTYPE html>

<html>

<head>

<style>

\* {text-align: center;color: blue;}

</style>

</head>

<body>

<h1>Hello world!</h1>

<p>Every element on the page will be affected by the style.</p>

<p>And me!</p>

</body>

</html>

## Grouping Selector

## The grouping selector selects all the HTML elements with the same style definitions.

## Look at the following CSS code (the h1, h2, and p elements have the same style definitions):

e.g.

h1 {text-align:center;color:red;}  
 h2 {text-align:center;color:red;}  
 p {text-align:center;color:red;}

It will be better to group the selectors, to minimize the code.It can be grouped as

h1,h2,p{text-align:center;color:red;}

Code:-

<!DOCTYPE html>

<html>

<head>

<style>

h1, h2, p {text-align: center; color: red;}

</style>

</head>

<body>

<h1>Hello World!</h1>

<h2>Smaller heading!</h2>

<p>This is a paragraph.</p>

</body>

</html>