



Day-3: CSS Selectors

What Are Selectors?

- A selector in CSS is a part of the CSS ruleset, that is basically used to select the element you want to style. CSS selectors select HTML elements according to their id, class, type, attribute, etc.

Types of Selectors

There are various types of selectors in CSS. They are:

1. **CSS Element / tag Selector**
2. **CSS Id Selector**
3. **CSS Class Selector**
4. **CSS Universal Selector**
5. **CSS Group Selector**

CSS Element or tag Selector

- The element selectors select the HTML elements by its tag name.

The screenshot shows a code editor on the left and a browser window on the right. The code editor displays the following HTML and CSS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Element Selector</title>
    <style>
        /* paragraph selector */
        p {
            color: red;
            text-align: center;
        }

        h1 {
            color: teal;
        }
    </style>
</head>
<body> You, seconds ago * Uncommitted changes
    <p>I am paragraph 1</p>
    <p>I am paragraph 2</p>
    <p>I am paragraph 3</p>

    <h1>I am heading 1</h1>
</body>
</html>
```

The browser window on the right shows the rendered output with the following text:
I am heading 1
I am paragraph 1
I am paragraph 2
I am paragraph 3

- All the `<p>` elements will be center-aligned and all `h1`'s will get teal color
- **Live code - [click here](#)**

CSS ID Selector

- An ID selector is declared using a hash, or pound symbol (`#`) preceding a string of characters.
- This selector matches any HTML element that has an ID attribute with the same value as that of the selector.
- Here's an example:

```
<html lang="en">
  <head>
    <title>Document</title>
    <style>
      #dhoni {
        color: red;
      }
      #abd {
        color: teal;
      }
    </style>
  </head>
  <body>
    <p id="dhoni">I am Dhoni from Chennai</p>
    <p>I am Sachin from Mumbai</p>
    <p>I am Kohli from Banglore</p>
    <p>I am Rohit from Mumbai</p>
    <p id="abd">I am ABD from Banglore</p>
    <p>I am Raina from Chennai</p>
  </body>
</html>
```

- Live code : [Click here](#)

CSS Class selector:

- Now you want to selects group of players based on their team name(CSK,MI,RCB)
- In this case we can will call out by using class selector, so all players with particular class will be selected
- [Codepen](#)
- In the above example we are selecting rcb team members



Universal selectors:

- Now you wants to select all teams at once, in this case we can use universal selector
- [Codepen](#)



Priority of Selectors

Scores of various selectors

| Selector Name | Score |
|---------------|-------|
| Inline | 1000 |
| Id | 100 |
| Class | 10 |
| Tag | 1 |
| Universal | 0 |

Style > Id > Class > Type > Universal

(1000) (100) (10) (1) (0)

- Follow this order **SICTU**
 - S - inline style
 - I - Id selector
 - C - Class selector
 - T - Type/Tag selector
 - U - Universal selector
- [Codepen](#)

Same Selectors Multiple Definitions:

- **Different Properties** - All the different properties are applied to the elements

```
● ○ ● ● ○  
  
<html lang="en">  
  <head>  
    <title>Document</title>  
    <style>  
      /* Different Properties */  
      p {  
        background-color: teal;  
      }  
      p {  
        font-size: 30px;  
      }  
      /* In this case both properties will be applied to p tag */  
    </style>  
  </head>  
  <body>  
    <p>I am para</p>  
  </body>  
</html>
```

- Live code: [codepen](#)
- **Same Properties** - Properties Values Defined at the bottom are applied to the elements

```
● ○ ● ● ○  
  
<html lang="en">  
  <head>  
    <title>Document</title>  
    <style>  
      /* Same Properties */  
      p {  
        background-color: teal;  
      }  
      p {  
        background-color:red  
      }  
      /* In this case properties value defined at the bottom of the page will be applied to p tag */  
    </style>  
  </head>  
  <body>  
    <p>I am para</p>  
  </body>  
</html>
```

- Live Code: [codepen](#)

Multiple Classes, Definitions & Ordering:

- Different Properties - All the different properties are applied to the elements
- Same Properties - Properties Values Defined at the bottom are applied to the elements
- [Codepen](#)