

A blurred background image showing a person's hands resting on a laptop keyboard, suggesting a workspace or a presentation environment.

# 3

## 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:

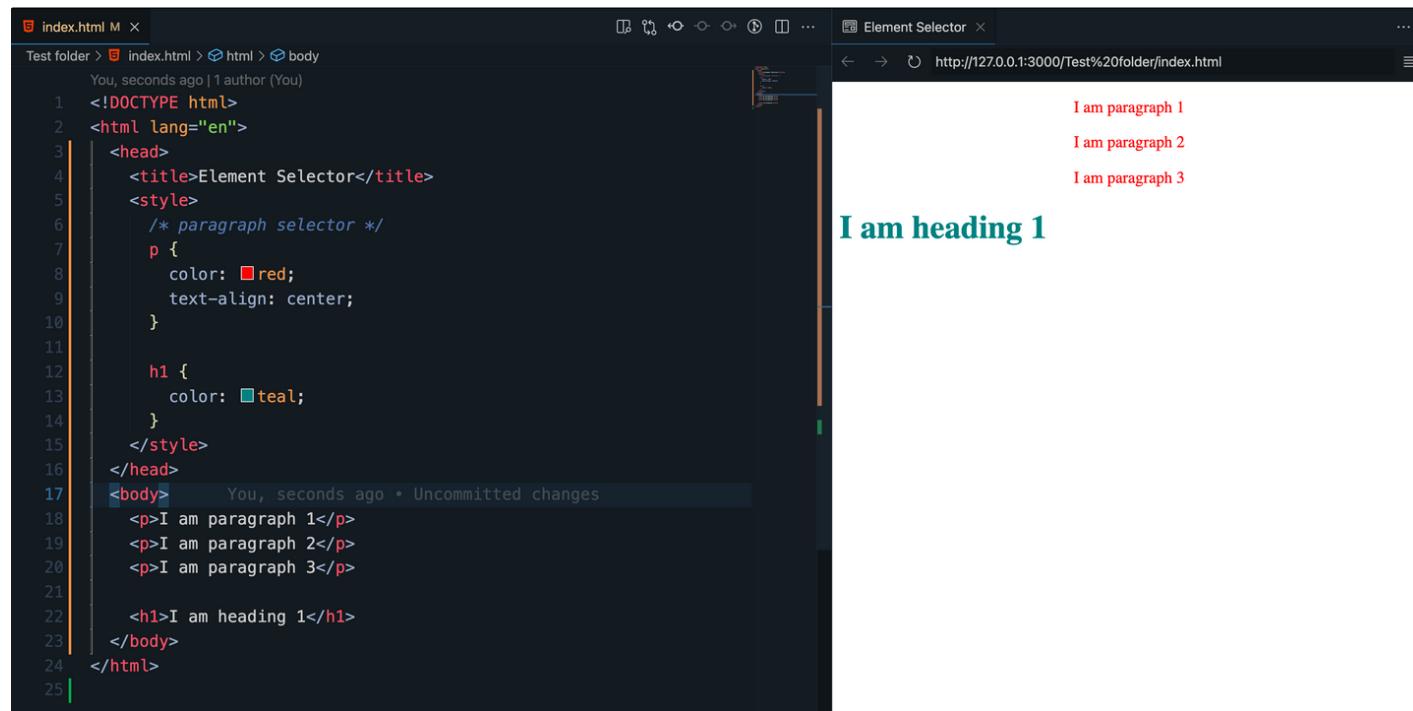
1. **CSS Element / tag Selector**
2. **CSS Id Selector**
3. **CSS Class Selector**

#### 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:

```
index.html M ×  
Test folder > index.html > html > body  
1  <!DOCTYPE html>  
2  <html lang="en">  
3  |  <head>  
4  |  |  <title>Element Selector</title>  
5  |  |  <style>  
6  |  |  |  /* paragraph selector */  
7  |  |  |  p {  
8  |  |  |  |  color: red;  
9  |  |  |  |  text-align: center;  
10 |  |  | }  
11 |  |  |  
12 |  |  h1 {  
13 |  |  |  color: teal;  
14 |  |  | }  
15 |  |  </style>  
16 |  |>  
17 |  |> You, seconds ago * Uncommitted changes  
18 |  |> <p>I am paragraph 1</p>  
19 |  |> <p>I am paragraph 2</p>  
20 |  |> <p>I am paragraph 3</p>  
21 |>  
22 |> <h1>I am heading 1</h1>  
23 |>  
24 |> </body>  
25 |> </html>
```

The browser window shows the rendered output with the following content:

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 Bangalore</p>  
    <p>I am Rohit from Mumbai</p>  
    <p id="abd">I am ABD from Bangalore</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](#)

