

09.01.2024

Selector types

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Selector Types Example</title>
7
8 </head>
9 <body>
10
11   <h1 id="pageTitle">Selector Types </h1>
12   <h5>1.getElementById</h5>
13   <script>const titleElement = document.getElementById('pageTitle');
14   </script>
15
16
17   <p>2.getElementsByTagName</p>
18
19
20
21   <p class="highlight">3.getElementsByClassName</p>
22   <p class="high">4.querySelector</p>
23
24 <script>
25   const paragraphs = document.getElementsByTagName('p');
26   for (let i = 0; i < paragraphs.length; i++) {
27
28
```

```
index.html styles.css script.js 3zz3h39py NEW HTML RUN
26
27 for (let i = 0; i < paragraphs.length; i++) {
28   paragraphs[i].style.color = 'green';
29 }
30
31 const highlightedElements = document.getElementsByClassName('highlight');
32
33 // Iterate through the NodeList and change the text color
34 for (let i = 0; i < highlightedElements.length; i++) {
35   const element = highlightedElements[i];
36   element.style.color = 'yellow';
37 }
38
39 const highlightedElement = document.querySelector('.high');
40
41 // Change the text color of the selected element
42 highlightedElement.style.color = 'red';
43
44 </script>
45
46 <style>
47   /* Some basic styling for demonstration purposes */
48   .highlight {
49     color: red;
50   }
51 </style>
52 </body>
53 </html>
```

Types of selector

1. `getElementById`: unique id is identified and text content is viewed, returns null if value is not given.
2. `getElementsByClassName`: selects all the element contained with the class name, read-only.
3. `getElementsByTagName`: returns elements from specified tag.
4. `querySelector`: returns first element in the css selector