

LOCATING NODES

IN THIS LESSON

Four ways to locate nodes

Traversing the DOM

`getElementsByTagName()`

`getElementById()`

`querySelector()`

Modifying HTML element attributes

Locating Nodes Demo

Click on a button to change the color of this text.

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locating-nodes.html ✕

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  ....<meta charset="utf-8" />
5  ....<title>Locating Nodes Demo</title>
6  ....<style>
7  ....    p {
8  ....      font-size: 24px;
9  ....    }
10 ....</style>
11 </head>
12 <body>
13 ....<h1>Locating Nodes Demo</h1>
14 ....<p id="textToChange">Click on a button to change the color of this text.</p>
15 ....<button type="button" onclick="changeColor1()">Use DOM traversal</button>
16 ....<button type="button" onclick="changeColor2()">Use getElementsByTagName</button>
17 ....<button type="button" onclick="changeColor3()">Use getElementById</button>
18 ....<button type="button" onclick="changeColor4()">Use querySelector</button>
19
20 ....<script>
21 ....    function changeColor1() {
22 ....      document.childNodes[1].childNodes[2].childNodes[3].style.color = 'red';
23 ....    }
24
25 ....    function changeColor2() {
```

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19
20 <script>
21     function changeColor1(){
22         document.childNodes[1].childNodes[2].childNodes[3].style.color = 'red';
23     }
24
25     function changeColor2(){
26         document.getElementsByTagName('p')[0].style.color = 'orange';
27     }
28
29     function changeColor3(){
30         document.getElementById('textToChange').style.color = 'blue';
31     }
32
33     function changeColor4(){
34         document.querySelector('#textToChange').style.color = 'green';
35     }
36 </script>
37 </body>
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locating-nodes.html X

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35 <!--<}
36 <!--</script>
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<p style="color: red;">

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locating-nodes.html X

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26 .....document.getElementsByTagName( 'p' )[0].style.color = 'orange' ;
27 .....}
28
29 .....function changeColor3() {
30 .....    document.getElementById( 'textToChange' ).style.color = 'blue';
31 .....}
32
33 .....function changeColor4() {
34 .....    document.querySelector( '#textToChange' ).style.color = 'green';
35 .....}
36 .....</script>
37 </body>
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26 .....document.getElementsByTagName( p )[0].style.color = 'orange' ;
27 .....}
28
29 .....function changeColor3() {
30 .....    document.getElementById('textToChange').style.color = 'blue';
31 .....}
32
33 .....function changeColor4() {
34 .....    //document.querySelector('#textToChange').style.color = 'green';
35 .....    document.querySelector('p + button').style.background = 'blue';
36 .....}
37 .....</script>
38 </body>
39 </html>
40
```

Locating Nodes Demo

Click on a button to change the color of this text.



locating-nodes.html ✕

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29 .....function changeColor3() {
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32
33 .....function changeColor4() {
34 .....    //document.querySelector('#textToChange').style.color = 'green';
35 .....    document.querySelector('p + button').hidden = true;
36 .....}
37 .....</script>
38 </body>
39 </html>
40
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Click on a button to change the color of this text.

