

## Day 20



### HTML Attributes and their methods:

#### HTML Attributes — Basics

An HTML attribute is extra information added to an HTML tag.

Example:

```
<p id="message" class="info" title="tooltip">Hello</p>
```

Attributes here:

- id="message"
- class="info"
- title="tooltip"

#### JavaScript Methods to Work With Attributes

Method	What it Does	Simple Meaning
elem.getAttribute(name)	Gets the value of attribute	Read attribute
elem.setAttribute(name, value)	Adds/changes an attribute	Write attribute
elem.hasAttribute(name)	Checks if attribute exists	True/False
elem.removeAttribute(name)	Removes attribute	Delete attribute
elem.attributes	Returns all attributes	List of attributes

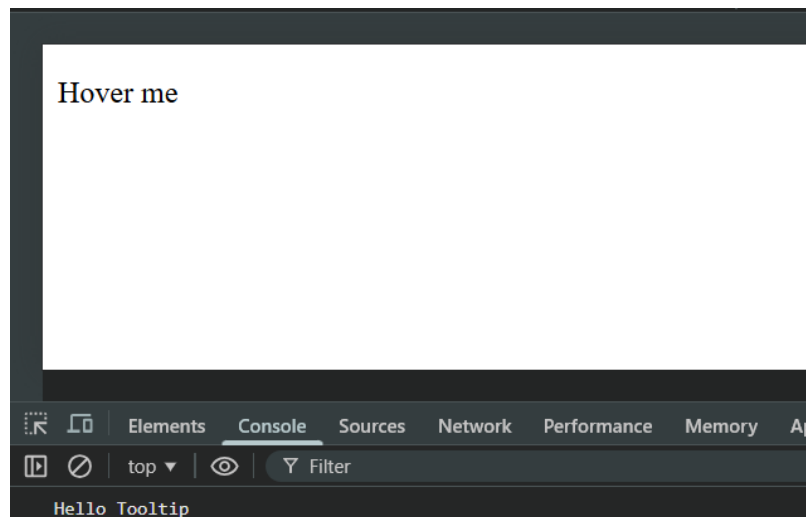
#### Summary:

- getAttribute() → read
- setAttribute() → write
- hasAttribute() → check
- removeAttribute() → delete
- attributes → list all

Example: `getAttribute()`

```
getAttribute.html > html > body > script
1  <!DOCTYPE html>
2  <html>
3  <body>
4    <p id="msg" title="Hello Tooltip">Hover me</p>
5  <script>
6    let para = document.getElementById("msg");
7    console.log( para.getAttribute("title") ); // Output: Hello Tooltip
8  </script>
9  </body>
10 </html>
```

Output:



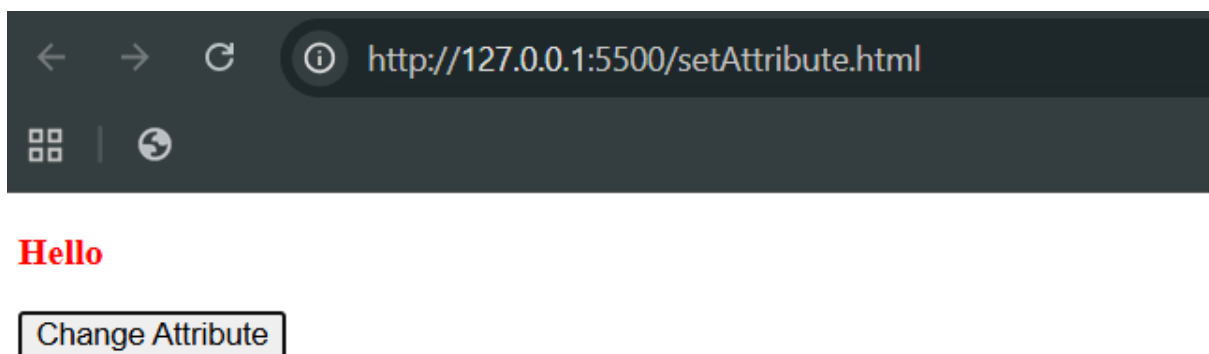
Example: `setAttribute()`

```
setAttribute.html > html > body
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5    .highlight {
6      color: red;
7      font-weight: bold;
8    }
9  </style>
10 </head>
11 <body>
12
13  <p id="msg">Hello</p>
14  <button onclick="changeIt()">Change Attribute</button>
15
16  <script>
17  function changeIt() {
18    let para = document.getElementById("msg");
19    para.setAttribute("class", "highlight");
20    para.setAttribute("title", "New Tooltip Added!");
21  }
22  </script>
23
24 </body>
25 </html>
```

Output: at start



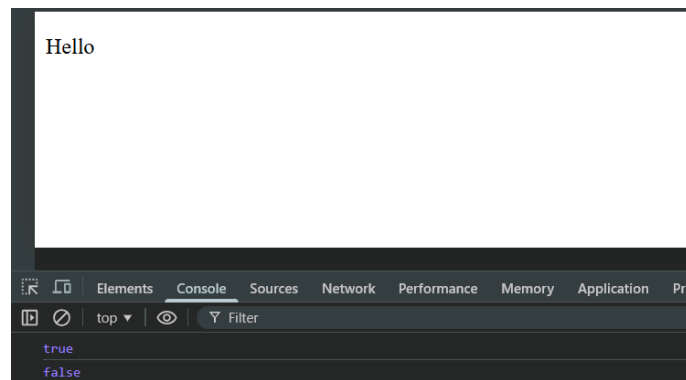
Output: after button is clicked



Example: has Attribute()



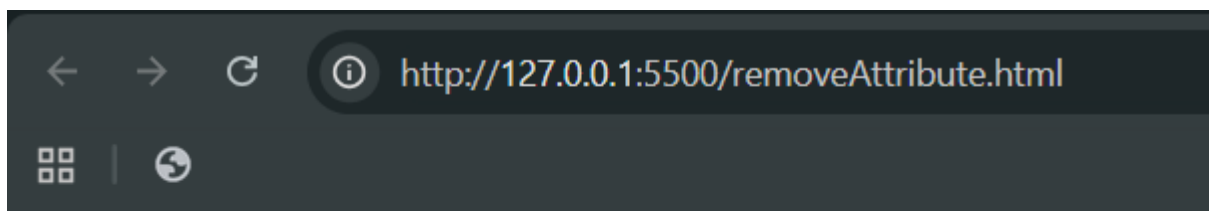
Output:



Example: removeAttribute()

```
removeAttribute.html > ...
1  <!DOCTYPE html>
2  <html>
3  <body>
4
5  <p id="msg" title="tooltip">Hello</p>
6
7  <button onclick="remove()">Remove Title</button>
8
9  <script>
10 function remove() {
11   let para = document.getElementById("msg");
12   para.removeAttribute("title");
13 }
14 </script>
15
16 </body>
17 </html>
```

Output:



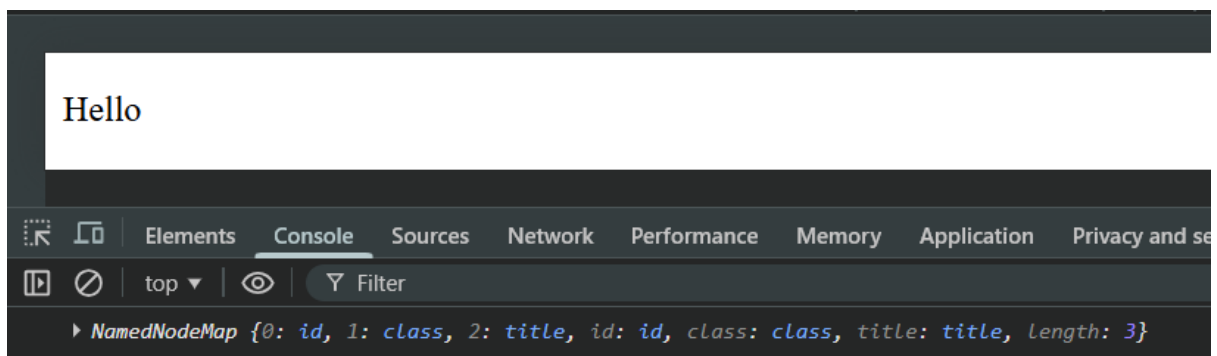
Hello

Remove Title

## Example: attributes

```
attributes.html > ...
1  <!DOCTYPE html>
2  <html>
3  <body>
4
5  <p id="msg" class="box" title="info">Hello</p>
6
7  <script>
8    let para = document.getElementById("msg");
9    console.log( para.attributes ); // NamedNodeMap of all attributes
10 </script>
11
12 </body>
13 </html>
```

Output:



--The End--