

## 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

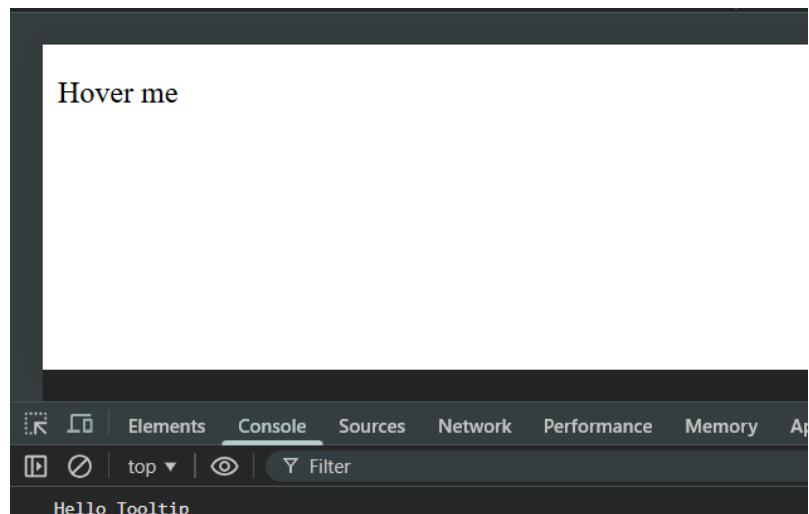
#### **Summary:**

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

### Example: getAttribute()

```
5 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>
```

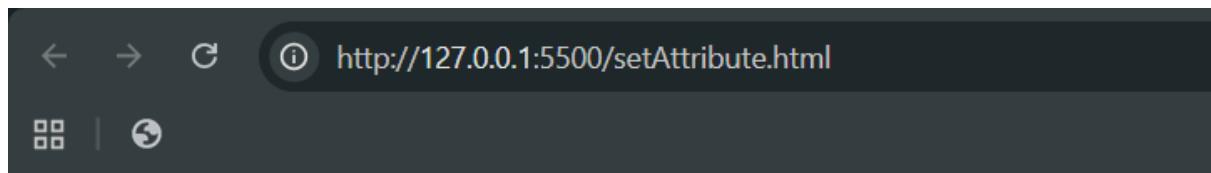
Output:



### Example: setAttribute()

```
5  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>
```

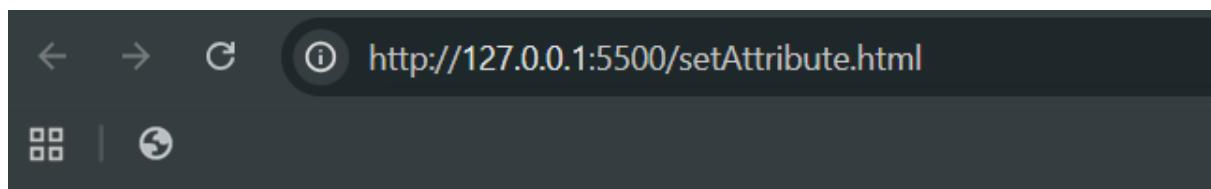
Output: at start



Hello

Change Attribute

Output: after button is clicked



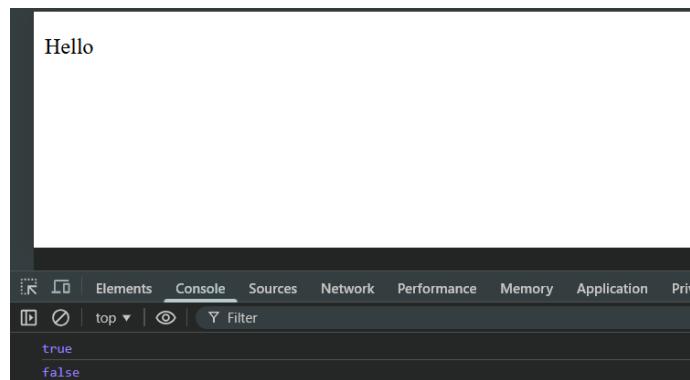
Hello

Change Attribute

Example: hasAttribute()

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

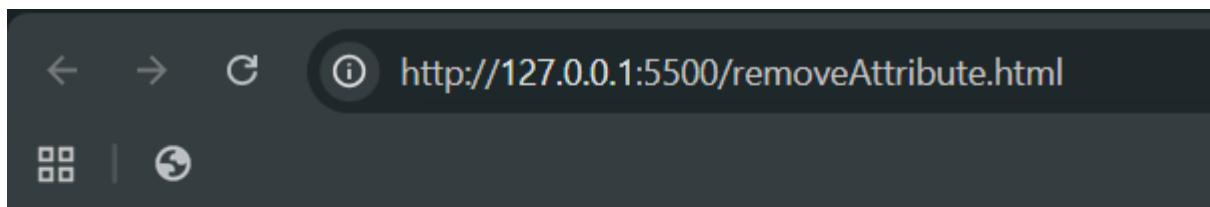
Output:



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:



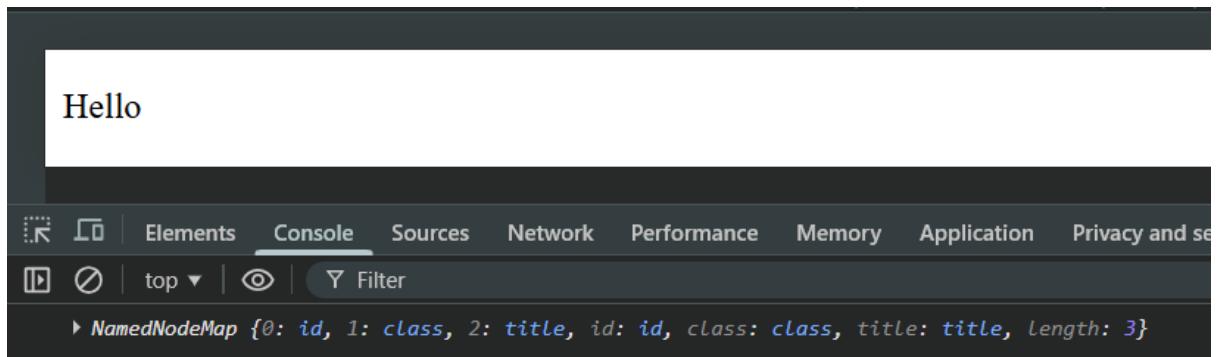
Hello

Remove Title

### Example: attributes

```
5 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--