

Modifying Element Attributes

Using Javascript to Add, Remove, and View Element Attributes

We'll cover the following

- `Element.getAttributeNames()`
- `Element.getAttribute(name)`
- `Element.setAttribute(name, value)` + `Element.removeAttribute(name)`
- Exercise

`Element.getAttributeNames()`

Use the `Element.getAttributeNames()` function to get an **array** containing the names of the HTML element's attributes.

HTML JavaScript

```
1 <html>
2 <head>
3   <title>Javascript + HTML Attributes</title>
4 </head>
5 <body>
6   <h1 id="logo">Learn DOM Manipulation with Javascript</h1>
7   <label for="question">What do you want to learn about the DOM?</label>
8   <input type="text" name="question" id="question" placeholder="Insert Question Here" />
9 </body>
10 </html>
```

```
1 var h1 = document.querySelector('h1');
2 var input = document.querySelector('input[type="text"]');
3
4 console.log("input attributes:", input.getAttributeNames());
```

Learn DOM Manipulation with Javascript

What do you want to learn about the DOM?

output



Console

Clear

Clear

```
input attributes: [  
  "type",  
  "name",  
  "id",  
  "placeholder"  
]
```

Element.getAttribute(name)

You can access the **value** of a specific attribute within an HTML element using `Element.getAttribute()` passing the attribute's *name* as a string argument.

HTML JavaScript

```
1 <html>  
2 <head>  
3 <title>Javascript + HTML Attributes<  
4 </head>  
5 <body>  
6 <h1 id="logo">Learn DOM Manipulation with Javascript  
7 <label for="question">What do you want to learn abo  
8 <input type="text" name="question" id="question" pl  
9 </body>  
10 </html>
```

```
1 var h1 = document.querySelector('h1');  
2 var input = document.querySelector('input[type="text"]');  
3  
4 console.log("input type:", input.getAttribute('type'));
```

Learn DOM Manipulation with Javascript

output

What do you want to learn about the DOM?



Console

Clear

```
input type: text
```

Element.setAttribute(name, value) + Element.removeAttribute(name)

You can change the value of an attribute using the `setAttribute()` function

setAttribute()

Additionally, you can remove attributes using the `removeAttribute()` function.

HTML

JavaScript

```
1 <html>
2 <head>
3   <title>Javascript + HTML Attributes</title>
4 </head>
5 <body>
6   <h1 id="logo">Learn DOM Manipulation</h1>
7   <label for="question">Do you want to learn about the DOM?</label>
8   <input type="text" name="question" id="question">
9 </body>
10 </html>
```

```
1 var h1 = document.querySelector('h1');
2 var input = document.querySelector('input[type="text"]');
3
4 input.setAttribute('type', 'checkbox');
5 input.removeAttribute('placeholder');
6
7 console.log(input.getAttributeNames());
```

Learn DOM Manipulation with Javascript

Do you want to learn about the DOM? ☐



Console

Clear

```
[
  "type",
  "name",
  "id"
]
```

Exercise

Modify the following ordered list *programmatically* to use Roman numerals for the list items.

```
1 <html>
2 <head>
3   <title></title>
4 </head>
5 <body>
6   <h1>How to modify an HTML element</h1>
7   <ol>
8     <li>Access the <em>element node</li>
```

```
1 //Write your javascript code here
```

output

```
9      <li>Access the <em> element node's innerHTML property using document.querySelector() and update it with the text "Use the element node's innerHTML property to modify the actual element."  
10    </li>  
11  </body>  
12 </html>
```

How to modify an HTML element:

1. Access the *element node* associated with the HTML element using

`document.querySelector()`

2. Use the element node's *properties* to modify the actual element.



Now that you have learned about modifying element attributes, let's learn about event listeners in the next lesson.