

JavaScript HTML DOM - Changing HTML

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The HTML DOM allows JavaScript to change the content of HTML elements.

Changing HTML Content

The easiest way to modify the content of an HTML element is by using the `innerHTML` property.

To change the content of an HTML element, use this syntax:

```
document.getElementById(id).innerHTML = new HTML
```

This example changes the content of a `<p>` element:

Example

```
<html>
<body>

<p id="p1">Hello World!</p>

<script>
document.getElementById("p1").innerHTML = "New text!";
</script>
```

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Example explained:

- The HTML document above contains a `<p>` element with `id="p1"`
- We use the HTML DOM to get the element with `id="p1"`
- A JavaScript changes the content (`innerHTML`) of that element to "New text!"

This example changes the content of an `<h1>` element:

Example

```
<!DOCTYPE html>
<html>
<body>

<h1 id="id01">Old Heading</h1>

<script>
const element = document.getElementById("id01");
element.innerHTML = "New Heading";
</script>

</body>
</html>
```

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Example explained:

- The HTML document above contains an `<h1>` element with `id="id01"`
- We use the HTML DOM to get the element with `id="id01"`
- A JavaScript changes the content (`innerHTML`) of that element to "New Heading"

```
document.getElementById(id).attribute = new value
```

This example changes the value of the src attribute of an `` element:

Example

```
<!DOCTYPE html>
<html>
<body>



<script>
document.getElementById("myImage").src = "landscape.jpg";
</script>

</body>
</html>
```

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Example explained:

- The HTML document above contains an `` element with `id="myImage"`
- We use the HTML DOM to get the element with `id="myImage"`
- A JavaScript changes the `src` attribute of that element from "smiley.gif" to "landscape.jpg"

Dynamic HTML content

JavaScript can create dynamic HTML content:

Date : Tue Feb 25 2025 22:37:26 GMT+0100 (hora estándar de Europa central)

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<script>
```

```
document.getElementById("demo").innerHTML = "Date : " + Date(); </script>
```

```
</body>
```

```
</html>
```

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document.write()

In JavaScript, `document.write()` can be used to write directly to the HTML output stream:

Example

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>Bla bla bla</p>
```

```
<script>
```

```
document.write(Date());
```

```
</script>
```

```
<p>Bla bla bla</p>
```

```
</body>
```

```
</html>
```

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Exercise [?]

What is a legal syntax for changing the content of an Element?

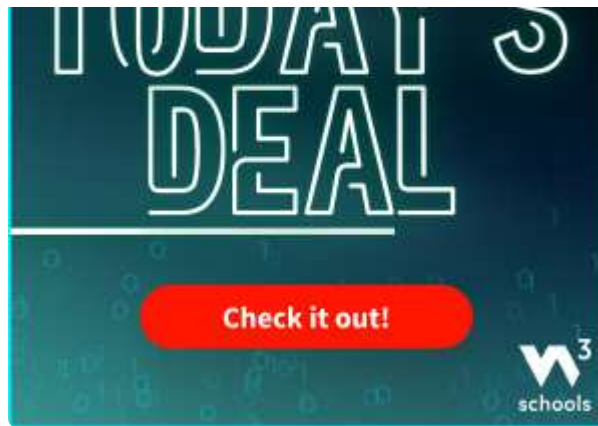
- ☐ `let x = document.getElementById('demo')`
`x.content = 'Welcome';`
- ☐ `let x = document.getElementById('demo')`
`x.innerHTML = 'Welcome';`
- ☐ `let x = document.getElementById('demo')`
`x.changeContent('Welcome');`

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