# JavaScript DOM

Manipulating Elements



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# **Manipulating Content**

Techniques for manipulating DOM content using JavaScript:

- innerHTML
- outerHTML
- innerText
- textContent
- hidden

#### innerHTML

This property **sets or returns** the HTML content (inner HTML) of an element

Note: Is valid only for element nodes

```
element.innerHTML;
// Returns innerHTML Property
element.innerHTML = text;
// Set the innerHTML Property
```



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# innerHTML Example

```
<h1>Heading</h1>;

element.innerHTML;
// "Heading"

element.innerHTML = "<i>Italic Heading</i>";
// <h1><i>Italic Heading</i></h1>
```

#### Heading



Italic Heading

#### outerHTML

This property **sets or returns** the HTML element, including attributes, start tag, and end tag.

```
element.outerHTML;
// Returns outerHTML Property
element.outerHTML = text;
// Set the outerHTML Property
```



# outerHTML Example

```
<h1 id="heading">Heading</h1>;

let headingText = document.getElementById("heading");

console.log(headingText.outerHTML);
// "<h1 id='heading'>Heading</h1>"

// Seting outerHTML
headingText.outerHTML = "paragraph";
```

#### Heading



paragraph

#### textContent

This property **retrieves or sets** the raw text content of an element, including the text content of all its child elements, **regardless** of their visibility or CSS styles.

#### innerText

Same as textContent, but it does not include the text content of hidden elements, such as elements with display: none or visibility: hidden CSS properties.

### hidden attribute

The "hidden" attribute is used to hide an element from being displayed on a web page.

and it is a boolean property, where **true** indicates that the element is **hidden** and **false** indicates that it is **visible**.

#### **Example**

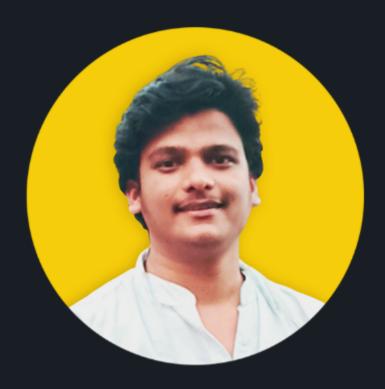
```
<div hidden>This is a hidden element.</div>;
console.log(element.hidden); // Outputs: true
element.hidden = false; // Unsets the "hidden" attribute
console.log(element.hidden); // Outputs: false
```

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