

Day 19



Matches(), Closest() and Contains():

What Are innerHTML, outerHTML, and Other Properties?

These properties are used to get or change HTML content of an element.

1. innerHTML

- It gives the HTML content inside an element.
- You can read it or change it.

2. outerHTML

- It gives the entire element itself, including its own tags.
- Changing it replaces the element.

3. textContent

- It gives only the text inside the element (no HTML tags).
- Use it when you just want to handle text safely.

4. innerText

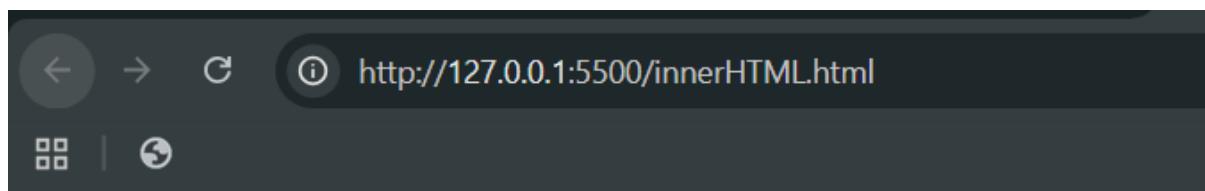
- Similar to textContent, but respects visible text only (ignores hidden ones and CSS styles).

Property	What it Returns	Can Modify?	Includes Tags?
innerHTML	Inside HTML	✓	✓
outerHTML	Element + Inside	✓	✓
textContent	Inside Text	✓	✗
innerText	Visible Text	✓	✗

Example: innerHTML

```
5 innerHTML.html > ...
1   <!DOCTYPE html>
2   <html>
3   <body>
4
5   <h2>innerHTML Example</h2>
6   <div id="box">Hello <b>World!</b></div>
7
8   <button onclick="changeInnerHTML()">Change innerHTML</button>
9
10  <script>
11    function changeInnerHTML() {
12      let box = document.getElementById("box");
13      console.log("Before:", box.innerHTML); // See current content
14      box.innerHTML = "Changed using <i>innerHTML</i>"!
15      console.log("After:", box.innerHTML); // See changed content
16    }
17  </script>
18
19  </body>
20  </html>
```

Output: at start

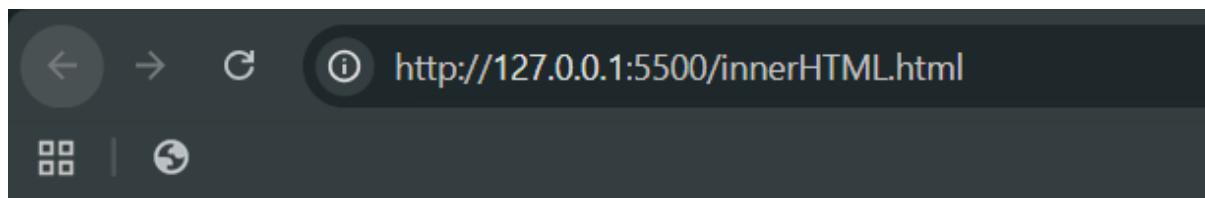


innerHTML Example

Hello World!

Change innerHTML

Output: when button was clicked



innerHTML Example

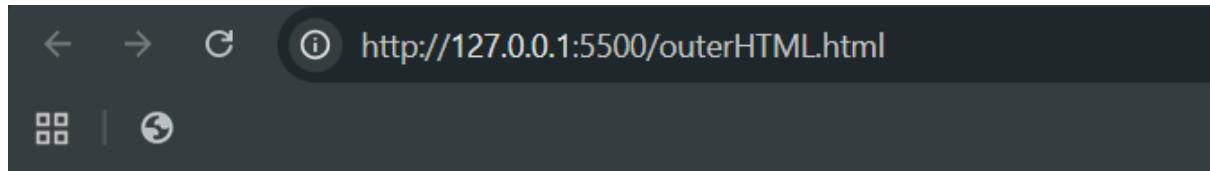
Changed using *innerHTML*!

Change innerHTML

Example: outerHTML

```
5 outerHTML.html > html > body
1   <!DOCTYPE html>
2   <html>
3   <body>
4
5   <h2>outerHTML Example</h2>
6   <div id="box">This will be replaced</div>
7
8   <button onclick="replaceOuterHTML()">Replace Element</button>
9
10  <script>
11    function replaceOuterHTML() {
12      let box = document.getElementById("box");
13      console.log("Before:", box.outerHTML); // Whole element
14      box.outerHTML = "<p><b>New element created!</b></p>";
15    }
16  </script>
17
18  </body>
19  </html>
```

Output: when loaded

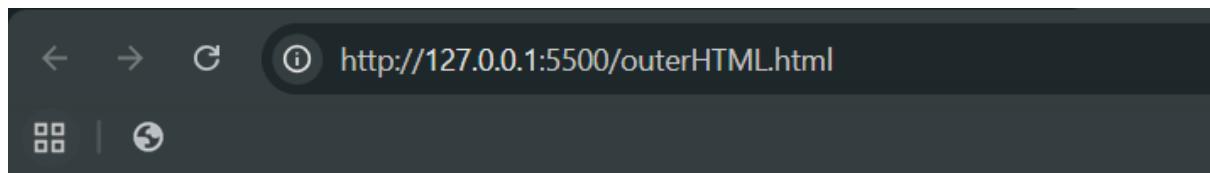


outerHTML Example

This will be replaced

Replace Element

Output: when button was clicked



outerHTML Example

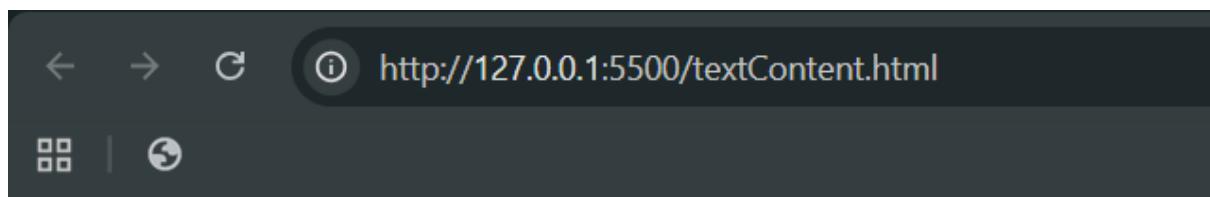
New element created!

Replace Element

Example:.textContent

```
5 textContent.html > ...
1  <!DOCTYPE html>
2  <html>
3  <body>
4
5  <h2>textContent Example</h2>
6  <div id="box">Hello <b>World!</b></div>
7
8  <button onclick="changeTextContent()">Change.textContent</button>
9
10 <script>
11   function changeTextContent() {
12     let box = document.getElementById("box");
13     console.log("Before:", box.textContent); // "Hello World!"
14     box.textContent = "Changed using.textContent (no HTML tags)";
15   }
16 </script>
17
18 </body>
19 </html>
```

Output: when loaded

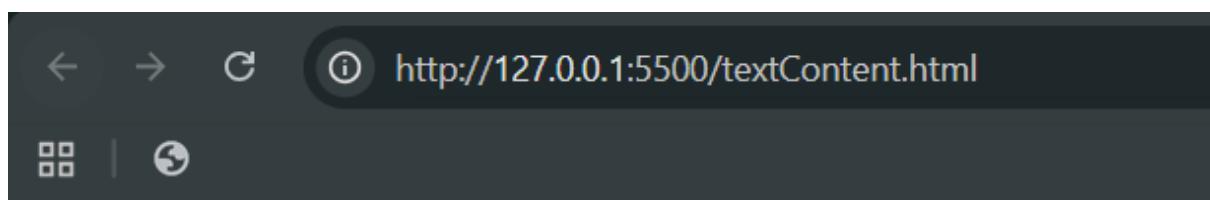


textContent Example

Hello World!

Change.textContent

Output: when button was clicked



textContent Example

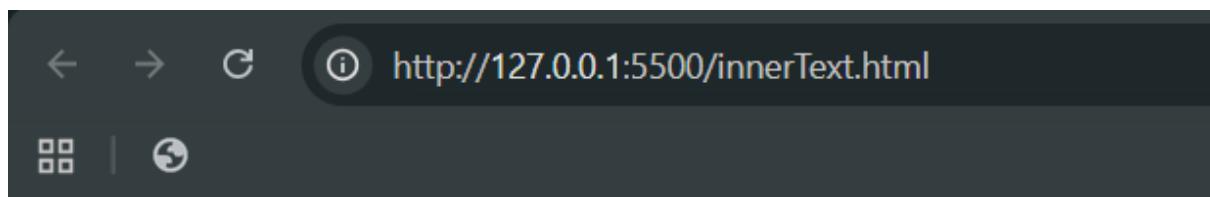
Changed using.textContent (no HTML tags)

Change.textContent

Example: innerText

```
innerText.html > ...
1  <!DOCTYPE html>
2  <html>
3  <body>
4
5  <h2>innerText Example</h2>
6  <div id="box">
7  | Hello <span style="display:none">Hidden</span> World!
8  </div>
9
10 <button onclick="showInnerText()">Show innerText</button>
11
12 <script>
13 function showInnerText() {
14     let box = document.getElementById("box");
15     console.log("innerText:", box.innerText);      // "Hello World!"
16     console.log("textContent:", box.textContent); // "Hello Hidden World!"
17 }
18 </script>
19
20 </body>
21 </html>
```

Output: when loaded



innerText Example

Hello World!

Show innerText

Output: when button was clicked

