

# textContent, innerText and innerHTML

#	textContent	innerText	innerHTML
what	content of all elements	human-readable elements	inner html string
aware of styling	No	YES	No
XSS attack	No	No	YES

## textContent

```
<div id="example1">
  <p>Hello <span>World</span></p>
</div>
```

```
const element = document.getElementById('example1');
console.log(element.textContent); // Output: "Hello World"
element.textContent = 'New Text Content';
console.log(element.innerHTML); // Output: "New Text Content"
```

## innerText

```
<div id="example2">
  <p>Hello <span style="display:none;">World</span></p>
</div>
```

```
const element = document.getElementById('example2');
console.log(element.innerText); // Output: "Hello"
element.innerText = 'New Inner Text';
console.log(element.innerHTML); // Output: "New Inner Text"
```

## innerHTML

```
<div id="example3">
  <p>Hello <span>World</span></p>
</div>
```

```
const element = document.getElementById('example3');
console.log(element.innerHTML); // Output: "<p>Hello <span>World</span></p>"
element.innerHTML = '<p>New <strong>HTML Content</strong></p>';
console.log(element.innerHTML); // Output: "<p>New <strong>HTML Content</strong></p>"
```

### Ngoài ra cần chú ý

```
const dangerousTextFromSomewhere = "<img src='abc' onerror='alert(\"you are hacked!\")' />";
target.innerHTML = dangerousTextFromSomewhere;
```

Source: [https://developer.mozilla.org/en-US/docs/Web/API/Node/textContent#differences\\_from\\_innertext](https://developer.mozilla.org/en-US/docs/Web/API/Node/textContent#differences_from_innertext)