

# JavaScript DOM Quick Interview Q&A;

## 1. innerHTML vs textContent vs createTextNode

innerHTML → Parses the string as HTML and inserts it. Risky if input isn't sanitized (XSS).

textContent → Inserts plain text only. HTML tags are shown as text.

createTextNode → Creates a text node explicitly, same safety as textContent.

```
Example: div.innerHTML = "Hello"; // bold text div.textContent = "Hello"; // shows  
Hello
```

## 2. appendChild() vs append()

appendChild(node) → Takes only a single Node object, returns the appended node.

append() → Can take multiple nodes and strings, returns nothing.

## 3. querySelector() vs getElementById()

querySelector() → CSS selector syntax, returns the first matching element.

getElementById() → Faster but only works for IDs.

## 4. Event bubbling vs capturing

Bubbling → Event goes from target up to root.

Capturing → Event goes from root down to target.

```
Controlled with: element.addEventListener('click', handler, true) // capture  
element.addEventListener('click', handler, false) // bubble (default)
```

## 5. Preventing XSS in the DOM

Use textContent or createTextNode instead of innerHTML for user-provided data.

If HTML is needed, sanitize the input before using innerHTML.

## 6. Removing elements

```
element.remove(); // modern parent.removeChild(child); // older
```

## 7. nodeValue vs textContent

nodeValue → Works on text nodes, not element nodes.

textContent → Works on elements, returns all text inside.