

Day 26



Javascript
THE LANGUAGE OF THE WEB

Handling Browser Events:

What does “handling an event” mean?

Handling an event means:

1. Detecting when something happens (click, key press, mouse move, etc.)
2. Running code in response.

Example:

“User clicks a button → show a message”

Three Ways to Handle Events

In JavaScript, events can be handled in 3 ways:

Method 1 → HTML Event Attribute (old method)

You put the event directly in HTML.

Example:

```
<button onclick="alert('Button clicked!')">Click</button>
```

Cons: Not recommended now. Mixes HTML & JS.

Method 2 → Assign event to element property

Simple and clean.

Example:

```
<button id="btn">Click</button>
```

```
<script>
```

```
document.getElementById("btn").onclick = function () {
```

```
    alert("Clicked!");
```

```
};
```

```
</script>
```

Limitation:

You can assign **only ONE function** to .onclick.

Method 3 → addEventListener (best method)

Most modern and flexible method.

Example:

```
<button id="btn">Click</button>

<script>

document.getElementById("btn").addEventListener("click", () => {

    alert("Button clicked using addEventListener!");

});

</script>
```


Advantages:

- You can attach multiple event handlers
- Works with all event types
- Better for real projects

Also,

Removing Event Listeners

You can remove an event only if it is stored in a function.

A screenshot of a code editor with a dark background. The editor shows a file named 'remove_event.html'. The code consists of HTML and JavaScript. Line 1: <button id="btn">Click</button>. Line 2: (empty). Line 3: <script>. Line 4: function sayHello() {. Line 5: | alert("Hello");. Line 6: |. Line 7: }. Line 8: btn.addEventListener("click", sayHello);. Line 9: (empty). Line 10: // Remove the event. Line 11: btn.removeEventListener("click", sayHello);. Line 12: </script>.

```
5 remove_event.html > ...
1  <button id="btn">Click</button>
2
3  <script>
4  function sayHello() {
5  |   alert("Hello");
6  |
7  }
8  btn.addEventListener("click", sayHello);
9
10 // Remove the event
11 btn.removeEventListener("click", sayHello);
12 </script>
```

--The End--