

Day 23



Changing HTML Classes using JavaScript: className and classList

What is a Class in HTML?

A class is used to style or identify an element.

Example:

```
<p class="red">Hello</p>
```

1. className (Basic Method)

Definition

className gets or sets the entire class attribute as a plain string.

Meaning

Setting className replaces all existing classes.

Example

```
element.className = "highlight";
```

2. classList (Modern and Better Method)

Definition

classList provides a list of all classes on the element and allows you to add, remove, toggle, or check classes.

classList Methods (Simplified)

Method	What it does
add()	Adds a class
remove()	Removes a class
toggle()	Adds if missing, removes if present
contains()	Checks if the class exists
replace()	Replaces one class with another

Simple Examples

Using className

```
<div id="box">Hello</div>
```

```
<script>
```

```
document.getElementById("box").className = "blue";
```

```
</script>
```

This sets the class to exactly "blue".

Using classList.add()

```
element.classList.add("active");
```

Using classList.remove()

```
element.classList.remove("active");
```

Using classList.toggle()

```
element.classList.toggle("dark");
```

Using classList.contains()

```
element.classList.contains("active"); // true or false
```

Using classList.replace()

```
element.classList.replace("old", "new");
```

--The End--