Day 13



DOM, BOM & Window Object:

What is the Browser Environment?

When JavaScript runs in a browser, it can interact with:

- 1. The web page (HTML content)
- 2. The browser itself
- 3. The window that contains everything

These are handled using three main parts: DOM, BOM, and Window Object

Window Object

The window object is the top-level object in the browser. It represents the browser window or tab where the web page is displayed.

Everything (like alert(), console.log(), document, etc.) is part of the window object.

DOM (Document Object Model)

The DOM represents the HTML document as a tree structure. Each HTML element (like , <div>, <h1>) becomes a JavaScript object that you can access or change.

BOM (Browser Object Model)

The BOM lets JavaScript interact with the browser (outside the webpage) — like the address bar, alert boxes, history, or screen size.

Relation Between Them

Window Object

- Document Object (DOM)
- ☐ Browser Object Model (BOM)

Summary

Concept	Full Form	Deals With	Example
Window	_		window.alert(), window.innerWidth
ром	Document Object Model	Web page (HTML elements)	document.getElementById()

Concept	Full Form	Deals With	Example
BOM	Browser Object Model	, ,	window.location.href, window.open()

Example: You can skip writing window. because it's the global object.

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Elements Console Sources Network Performance Memorial Console | Top ▼ | Top ▼
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Output:



Example: