

❤️ JavaScript Learning Journey Continues!

Today I explored **DOM Selectors** — the tools that help JavaScript find and target elements inside a webpage.

Understanding selectors is essential for creating interactive UI, updating content, and adding dynamic behavior. 🔎 🌟

❖ Focus of the Day:

- Selecting elements using:
 - getElementById
 - getElementsByClassName
 - getElementsByTagName
 - querySelector
 - querySelectorAll
- Exploring HTMLCollection vs NodeList
- Selecting nested elements
- Looping through selected elements
- Changing content and styles dynamically
- Handling missing/incorrect selectors safely

🔍 What I Learned:

- querySelector() and querySelectorAll() are the most flexible and modern
- getElementById is fastest and perfect for single unique elements
- NodeList supports forEach(), HTMLCollection does not
- Checking if an element exists prevents runtime errors
- DOM selectors are the foundation for all event handling and manipulation

💬 Reflection:

Day 29 completed!

Today's practice helped me understand how JavaScript actually interacts with webpage elements.

DOM selectors make it possible to build dynamic UI, validate forms, show/hide elements, and respond to user interactions.

Feeling more confident in DOM manipulation! 🎉 🎉

🎯 Next Target (Day 30):

➡ Learn **DOM Manipulation** — creating, removing, updating, and styling elements using JavaScript.

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