

JavaScript

DOM

Accessing Elements

A yellow square containing the letters 'JS' in a bold, black, sans-serif font, representing JavaScript.

Mallikarjun | @CodeBustler



JavaScript DOM Tree

DOM Tree refers to the HTML page where all the nodes objects.

There can be 4 major main types of nodes in the DOM :

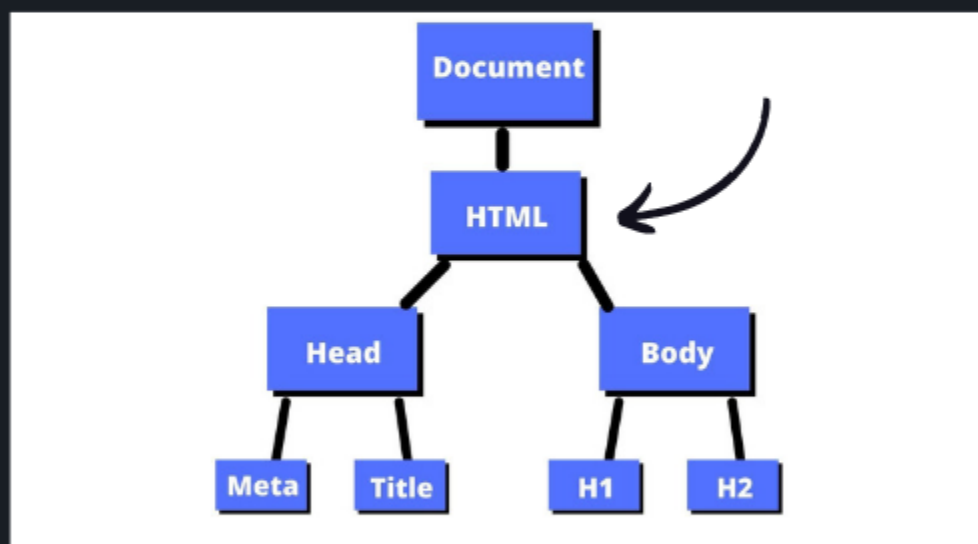
1. Text nodes
2. Element nodes
3. Comment nodes
4. WhiteSpace nodes

DOM Navigation

DOM Navigation Properties are helpful when the elements are close to each other.

Parent Node

- **parentNode** : Returns the parent node of an element.
- **parentElement** : Returns the parent element node of an element.

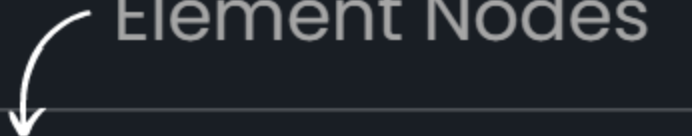


Element Node

Child Nodes

- **childNodes**: Returns a collection of child nodes of an element.
- **firstChild**: Returns the first child node of an element.
- **lastChild**: Returns the last child node of an element.

Element Nodes



- **children**: Returns a collection of child element nodes of an element.
- **firstElementChild**: Returns the first child element node of an element.
- **lastElementChild**: Returns the last child element node of an element.

Sibling Nodes

- **nextSibling**: Returns the next sibling node of an element.
- **previousSibling**: Returns the previous sibling node of an element..

Element Nodes



-
- **nextElementSibling**: Returns the next sibling element node of an element
 - **previousElementSibling**: Returns the previous sibling element node of an element.

Descendant Nodes

- **querySelectorAll(selector)**

Retrieves a **collection of elements** that match the given CSS selector.

- **querySelector(selector)**

Retrieves the **first element** that matches the given CSS selector.

Ancestors



Element Nodes

- **closest(selector)**

Retrieves the closest ancestor **element** that matches the given CSS selector.

Search Elements In DOM

- **getElementById** : Retrieves an element with the given ID
- **getElementsByClassName** :
Retrieves a collection of elements with the given class name.
- **getElementsByTagName** : Retrieves a collection of elements with the given tag name.
- **getElementsByName**: Retrieve a collection of elements with a specified name attribute value

↑ Element Nodes
(All above)

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JavaScript DOM

Manipulating Elements



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JavaScript Consoles

Object Methods

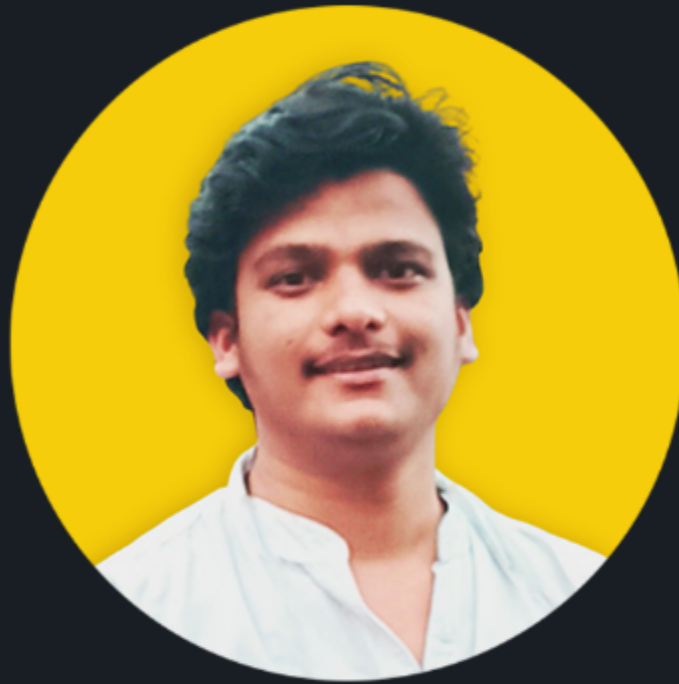


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