



## The node method

You can access any element by using the following properties with the object:



- node.childNodes accesses the child nodes of a selected parent
- node.firstChild accesses the first child of a selected parent
- node.lastChild accesses the last child of a selected parent.
- node.parentNode accesses the parent of a selected child node.
- node.nextSibling accesses the next consecutive element (sibling) of a selected element.
- node.previousSibling accesses the previous element (sibling) of a selected element

### Ways to access inner text /text node

```
myTitle = document.getElementById("demo").innerHTML;

myTitle = document.getElementById("demo").firstChild.nodeValue;

myTitle = document.getElementById("demo").childNodes[0].nodeValue;
```

## The Element Object

#### The childNodes Property

Whitespace between elements are text nodes. Comments are also nodes. The body element's child nodes are:

```
#comment
#text
H1
#text
H2
#text
P
#text
P
#text
#text
P
#text
P
#text
P
#text
P
```

So we seen these nodes when we acces usng childnodes!

# Types of Nodes



Node	Туре	Example
ELEMENT_NODE	1	<h1 class="heading">W3Schools</h1>
ATTRIBUTE_NODE	2	class = "heading" (deprecated)
TEXT_NODE	3	W3Schools
COMMENT_NODE	8	This is a comment
DOCUMENT_NODE	9	The HTML document itself (the parent of <html>)</html>
DOCUMENT_TYPE_NODE	10	html

When using the `children` property in JavaScript, text nodes are not included in the collection. The `children` property specifically returns an HTMLCollection of the element's child element nodes (i.e., elements like `<div>`, ``, ``, etc.), excluding text nodes and comment nodes.

```
<h2>Favorite Beverages</h2>
        Coffee
            Tea
            Milk
        <button id="changeSecondItem">Change Second Item to Juice
15
        <script>
            // Get the unordered list element
            const list = document.getElementById("beverageList");
            const items = list.children;
            for (let i = 0; i < items.length; i++) {
               console.log("Item " + (i + 1) + ": " + items[i].textContent);
            // Change the text of the second item using the 'children' property
            const changeSecondItemButton = document.getElementById("changeSecondItem");
            changeSecondItemButton.addEventListener("click", function() {
               if (items.length > 1) { // Check if there is a second item
                   items[1].textContent = "Juice";
            });
     </body>
```

# **Favorite Beverages**

- Coffee
- Tea
- Milk

Change Second Item to Juice



#### Use of nodesiblings

```
<!DOCTYPE html>
<html>
<dly class="list">
  <h2 class="title">Items</h2>
   Item 1
      class="item">Item 2
      class="item">Item 3
   Hello world
</div>
<script type="text/javascript">
   const ul = document.querySelector(".items");
   console.log(ul.parentNode)
   ul.parentNode.style.color = "red";
</script>
</body>
</html>
```

UI children access and ul sibling

```
<!DOCTYPE html>
<html>
<div class="list">
   <h2 class="title">Items</h2>
   class="item">Item 1
       class="item">Item 2
       class="item">Item 3
   Hello world
</div>
<script type="text/javascript">
   const ul = document.querySelector(".items");
   console.log(ul.parentNode)
   ul.parentNode.style.color = "red";
   console.log(ul.children[1])
   console.log(ul.previousElementSibling)
</script>
</body>
</html>
```

