**DOM Traversing. Nodes. Add/Remove Elements.**

1. **Traversing the DOM**

Siblings are elements on the same level. Let’s explore some **Node methods** that we can use to traverse.

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| **Methods** | **Description** |
| *node*.parentNode()  *node*.parentElement() | Return the parent node (element) |
| node.childNodes() //also return linebreaks  *node*.children() | Return a Nodelist (array)  Return an HTMLCollection of childNodes |
| *node.*firstChild() or *node.*lastChild()  *node*.firstElementChild() or *node*.lastElementChild() | Returns child element (including linebreaks)  Returns the actual first/last child element |
| *node.nextSibling*() or *node.previousSibling*()  *node*.nextElementSibling() or *node*.prev…Ele…Sib…() | Returns next element (including linebreaks)  Returns the actual next/prev sibling element |

1. **Adding Element to DOM ♣♣**

Through DOM, we can also add elements (of course, this do not affect source code).

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| **Methods** | **Description** |
| newEle = document.createElement(‘*tag’*)  newEle.className = ‘class’  newEle.id = ‘id’  newEle.setAttribute(‘attribute’,’value’)  newEleText = document.createTextNode(‘text’)  newEle.appendChild(newEleText) | Create an HTML element  Add a class to new element  Add id to new element  Add attribute to new element  Create new text node  Add text to new element, by **adding child** |
| 🡪 Now that we have created a Node, we need to **connect this Node to the DOM** | |
| *previousNode*.insertBefore(newEle,*afterNode*) | Adds element to the DOM |

1. **Other Node methods**

There are also other Node methods that can also help us remove/append/replace elements in the DOM. The full list can be found in [**Node Methods**](https://developer.mozilla.org/en-US/docs/Web/API/Node).

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| parentNode.removeChild(*element*) | Remove an HTML element |
| parentNode.appendChild (*newNode*) | Adds a node to the end of the list of children of a specified parent node. |
| Node.replaceChild (*new, old*) | Replace an HTML element |