

CREATING AND ADDING NODES



IN THIS LESSON

createElement()

createTextNode()

insertBefore()

appendChild()



createElement()

Create a new HTML element node in JavaScript

You can make any HTML element, we will use <hr> as our example

<hr> creates a simple horizontal rule (line) across the page

document.createElement('hr')



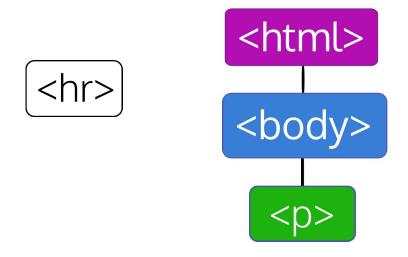
createTextNode()

Create a new text node in JavaScript

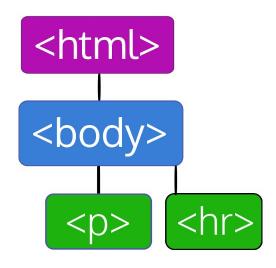
There are more methods to create other kinds of nodes, such as createComment to create a comment node, and so on

const newText = document.createTextNode('your text goes here');

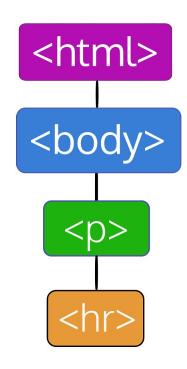














When you create a DOM node, it is not automatically added to the DOM tree structure and will not show up on the webpage

It doesn't know where it belongs in the DOM until you explicitly tell it



insertBefore()

insertBefore() is a node method, you
 must use it on an existing node

First figure out an existing node in the DOM to act as the parent node for the node to insert

parentNode.insertBefore(newEl, parentNode.firstChild)



insertBefore()

insertBefore() is a node method, you
 must use it on an existing node

First figure out an existing node in the DOM to act as the parent node for the node to insert

parentNode.insertBefore(newEl, parentNode.lastChild)



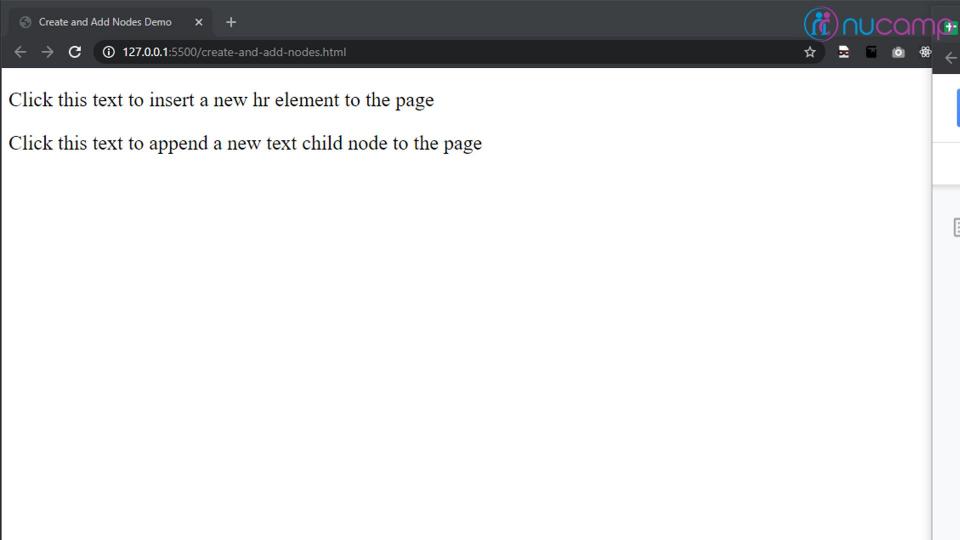
appendChild()

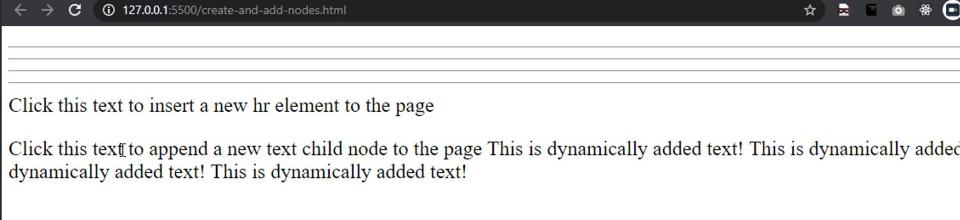
Again, you need to locate a node to act as the parent

parentNode.appendChild(newText);

```
create-and-add-nodes.html ×
    <!DOCTYPE-html>
    <html lang="en">
    <head>
     <meta charset="utf-8" />
     <title>Create and Add Nodes Demo</title>
     <style>
     ----p-{
     font-size: 24px:
     }
     </style>
     </head>
11
    <body>
12
13
       Click this text to insert a new hr element to the page
14
15
        Click this text to append a new text child node to the page
17
18
     <script>
     function insertNewElement() {
     const newEl = document.createElement('hr');
     const parentNode = document.querySelector('#firstP');
21
     parentNode.insertBefore(newEl, parentNode.firstChild);
22
24
25
     function insertNewText() {
     const newText = document.createTextNode(' This is dynamically added text!');
```

```
----Click this text to insert இற்றைற்ற தொறை
Click this text to append a new text child
<script>
function insertNewElement() {
const newEl = document.createElement('hr');
const parentNode = document.querySelector('#firstP');
parentNode.insertBefore(newEl, parentNode.firstChild);
function insertNewText() {
const newText = document.createTextNode(' This is dynamically added text!');
const parentNode = document.getElementById('secondP');
parentNode.appendChild(newText);
</script>
</body>
</html>
```





Create and Add Nodes Demo

