

DELETING NODES

AFTER THIS PRESENTATION

- You'll be able to delete node from a DOM

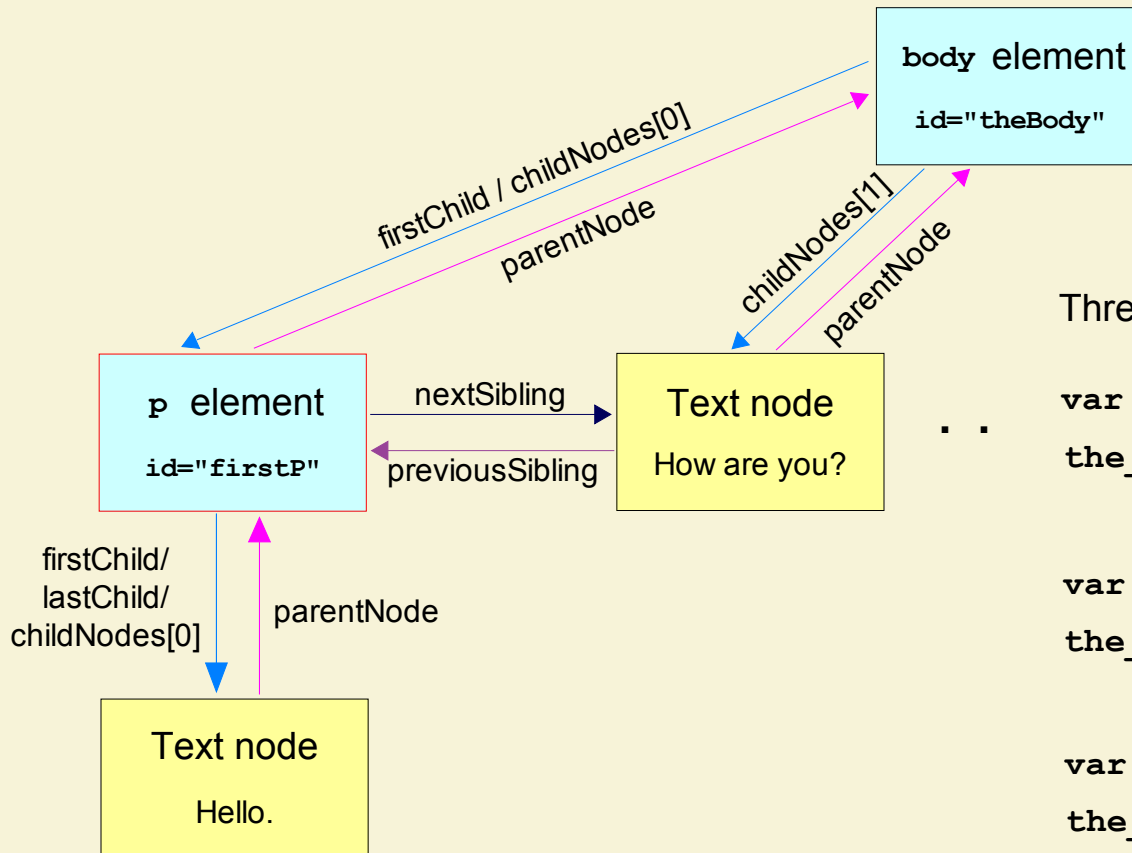
WE WILL LOOK AT

Removing a node `removeChild()`

DELETING A NODE

Tell the parent of the node to delete it e.g.

```
this_node=getElementById("myPara");  
this_node.parentNode.removeChild(this_node);
```



Three example code to delete the first paragraph in this DOM:

```
var the_node=document.getElementById("firstP");
the_node.parentNode.removeChild(the_node);
```

Or

```
var the_node=document.getElementsByTagName("p")[0];
the_node.parentNode.removeChild(the_node);
```

Or

```
var the_parent=document.getElementById("theBody");
the_parent.removeChild(the_parent.firstChild);
```

THREE EXAMPLE CODE

```
var the_node=document.getElementById("firstP");  
the_node.parentNode.removeChild(the_node);
```

```
var the_node=document.getElementsByTagName("p")[0];  
the_node.parentNode.removeChild(the_node);
```

```
var the_parent=document.getElementById("theBody");  
the_parent.removeChild(the_parent.firstChild);
```

Hello.

How are you?

It's a nice day!

Example 1

Example 2

Example 3

Reload the page to reset the DOM.

Click [here](#) to open the example

```
<body id="theBody"><p id="firstP">
Hello.
</p>
How are you?
<br>
<p id="secondP">
It's a nice day!
</p>
<button type="button" onclick="delete1()">Example 1</button>
<button type="button" onclick="delete2()">Example 2</button>
<button type="button" onclick="delete3()">Example 3</button>
<p>
Reload the page to reset the DOM.
</p>
</body>
</html>
```



```
<!DOCTYPE html>
<html>
<head> <script>
  function delete1() {
    var the_node=document.getElementById("firstP");
    the_node.parentNode.removeChild(the_node);
  }
  function delete2() {
    var the_node=document.getElementsByTagName("p")[0];
    the_node.parentNode.removeChild(the_node);
  }
  function delete3() {
    var the_parent=document.getElementById("theBody");
    the_parent.removeChild(the_parent.firstChild);
  }
</script> </head>
```

DELETING ALL CHILDREN

Sometimes you want to delete everything under a node

For example, deleting all web page content

One way to do that is to delete every child

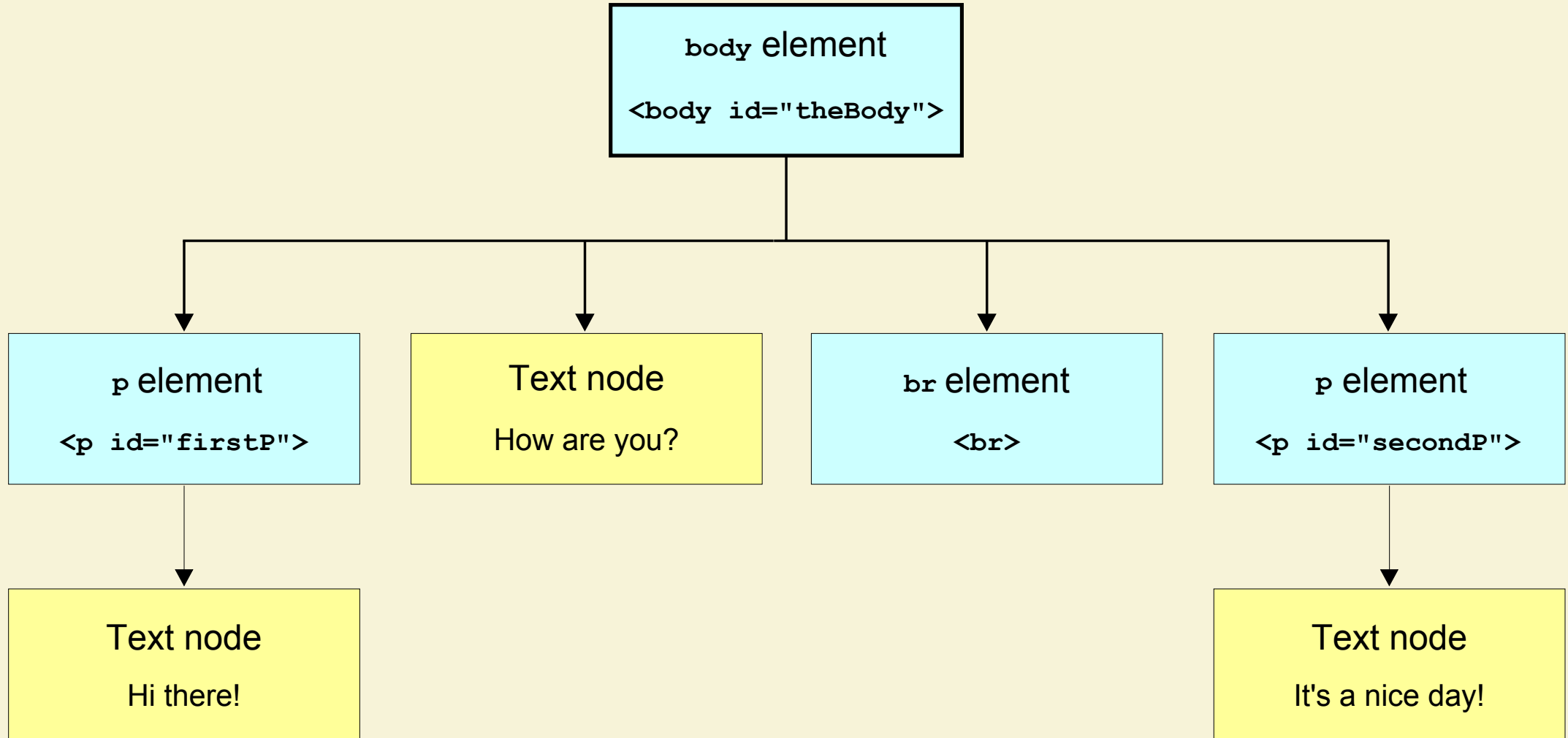
Hello.

How are you?

It's a nice day!

Delete children

Click [here](#) to open the example



body element
<body id="theBody">

~~p Hi there!~~
<p id="theBody">Hi there!</p>

Text node
Hi there!

~~Hi there!~~
Hi there!

~~body element~~

~~p It's a nice day!~~
<p id="theBody">It's a nice day!</p>

Text node
It's a nice day!

body element

```
<body id="theBody">
```

DELETING ALL CHILDREN

```
var theNode = document.getElementById("theBody");  
  
while (theNode.firstChild) // While there is a child  
    theNode.removeChild(theNode.firstChild);
```

```
<!DOCTYPE html>
<html> <head> <script>
function delete_all_children() {
    var theNode = document.getElementById("theBody");
    while (theNode.firstChild)
        theNode.removeChild(theNode.firstChild);
}
</script> </head>
<body id="theBody">
<p id="firstP">Hello.</p>
How are you?
<br>
<p id="secondP">It's a nice day!</p>
<button type="button"
    onclick="delete_all_children()">Delete children</button>
</body> </html>
```