**Adding, Removing & Replacing Elements**

**Creating Elements:**  
Use the following methods to create new nodes:  
element.**cloneNode**() clones an element and returns the resulting node.  
document.**createElement**(element) creates a new element node.  
document.**createTextNode**(text) creates a new text node.  
  
**For example:**

var node = document.**createTextNode**("Some new text");

This will create a new text node, but it will not appear in the document until you append it to an existing element with one of the following methods:  
element.**appendChild(newNode)** adds a new child node to an element as the last child node.  
element.**insertBefore(node1, node2)** inserts node1 as a child before node2.

**Example:**

//calling the function in window.onload to make sure the HTML is loaded

window.onload = function() {

    //creating a new paragraph

    var p = document.createElement("p");

    var node = document.createTextNode("Some new text");

    //adding the text to the paragraph

    p.appendChild(node);

    var div = document.getElementById("demo");

    //adding the paragraph to the div

    div.appendChild(p);

};

**Removing Elements:**

To remove an HTML element, you must select the parent of the element and use the **removeChild**(node) method.

**Example:**

//calling the function in window.onload to make sure the HTML is loaded

window.onload = function() {

    var parent = document.getElementById("demo");

    var child = document.getElementById("p1");

    parent.removeChild(child);

};

**Note:**An alternative way of achieving the same result would be the use of the **parentNode**property to get the parent of the element we want to remove:  
var child = document.getElementById("p1");  
child.**parentNode**.removeChild(child);

**Replacing Elements:**

To replace an HTML element, the element.**replaceChild**(newNode, oldNode) method is used.

**Example:**

//html

<div id = “demo”>

<p id = “ p1 “ >This is a Paragraph</p>

<p id = “ p2 “ >This is another Paragraph</p>

</div>

/calling the function in window.onload to make sure the HTML is loaded

window.onload = function() {

    //creating a new paragraph

    var p = document.createElement("p");

    var node = document.createTextNode("This is a new Paragraph");

    //adding the text to the paragraph

    p.appendChild(node);

    var parent = document.getElementById("demo");

    //adding the paragraph to the div

    parent.replaceChild(p, child);

};