METHODS OF THE DOM

Methods are just like functions. They are a block code already written that perform a kind of work. Below are some methods in JavaScript and how they are used:

1. `The getElementById () method:` It allows you access to an element by the value of its `id` attribute. For example:
   ```
   <div id= "sometext"> this is some text </div>
   var text_element = document.getElementById
   ("sometext");
   ```
2. `The getElementsByClassName () method:` this method allows you to get an array filled with all the elements in the document that have the specified `class` name (from a CSS class) sent as a parameter. For example: `var my_class= document.getElementsByClassName ("menu");`
3. `The getElementsByTagName () method:` this method allows you to get an array filled with all the elements in the document that have the specified `tag` name sent as a parameter. For example, to obtain all the image elements in the document, you could use the following code: `var all_images = document. getElementsByTagName ('img');`
4. `The open () and close () methods:` the `open ()` method allows you to open a new document and create its contents entirely with `document.write ()` or `document.writeln () statemnts`. When the `open ()` method is called, the browser looks for those statements so

that it can write the new page. Once the `write ()` and/or `writeln()` statements are completed, you need to use `document.close () method` to finish the new page.

5. `The write () method:` the `document.write ()` method is used to write a string value to the page.
6. `The writeln () method:` the `writeln ()` method works the same way as the `document.write ()` method, but adds a javascript newline character (\n) at the end of the statement.

Creation Methods of the DOM

There are also methods of the document object (such as `createElement ()`, `createAttribute ()`, and `createTextNode ()`) that all you to create various elements or node on the page using JavaScript. To make use of them, though, the new content must be appended as a child of an existing node in the DOM. This is where DOM node properties and methods are needed.

The DOM node properties are listed below:

i.	`attributes`	ii.	`childNodes`	iii.	`className`
iv.	`clientHeight`	v.	`clientWidth`	vi.	`dir`
vii.	`firstChild`	viii.	`id`	ix.	`innerHTML`
x.	`lang`	xi.	`lastChild`	xii.	`nextSibling`
xiii.	`nodeName`	xiv.	`nodeType`	xv.	`nodeValue`
xvi.	`offsetHeight`	xvii.	`ownerDocument`	xviii.	`offsetWidth`
xix.	`parentNode`	xx.	`previousSibling`	xxi.	`scrollLeft`

xxii. `scrollTop`
xxiii. `scrollHeight`
xxiv. `scrollWidth`
xxv. `style`
xxvi. `tabIndex`
xxvii. `tagName`
xxviii. `Title`

The DOM node methods are listed below:

i. `addEventListener ()`
ii. `appendChild ()`
iii. `attachEvent ()`
iv. `blur ()`
v. `click ()`
vi. `cloneNode ()`
vii. `detachEvent ()`
viii. `dispatchEvent ()`
ix. `focus ()`
x. `getAttribute ()`
xi. `getAttributeNS ()`
xii. `getAttributeNode ()`
xiii. `getElementsByTagNameNS ()`
xiv. `hasAttribute ()`
xv. `hasAttributeNS ()`
xvi. `hasAttributes ()`
xvii. `hasChildNodes ()`
xviii. `insertBefore ()`
xix. `normalize ()`
xx. `removeAttribute ()`
xxi. `remoteAttributeNode ()`
xxii. `removeAttributeNS ()`
xxiii. `removeChild ()`
xxiv. `removeEventListener ()`
xxv. `replaceChild ()`
xxvi. `setAttribute ()`
xxvii. `scrolIntoView ()`
xxviii. `setAttributeNS ()`
xxix. `setAttributeNode ()`
xxx. `setAttributeNodeNS ()`

Properties or methods that use namespaces (NS), are mainly for XML documents