JAVASCRIPT - THE IE 4 DOM

This document object model was introduced in Version 4 of Microsoft's Internet Explorer browser. IE 5 and later versions include support for most basic W3C DOM features.

Document Properties in IE 4 DOM

The following non-standard *andnon − portable* properties are defined by Internet Explorer 4 and later versions.

Sr.No	Property & Description
1	**activeElement** A read-only property that refers to the input element that is currently active *i. e. , hastheinputfocus.* **Ex** − document.activeElement
2	**all[ ]** An array of all Element objects within the document. This array may be indexed numerically to access elements in source order, or it may be indexed by element id or name. **Ex** − document.all[ ]
3	**charset** The character set of the document. **Ex** − document.charset
4	**children[ ]** An array that contains the HTML elements that are the direct children of the document. Note that this is different from the all [ ] array that contains all the elements in the document, regardless of their position in the containment hierarchy. **Ex** − document.children[ ]
5	**defaultCharset** The default character set of the document. **Ex** − document.defaultCharset
6	**expando** This property, if set to false, prevents client-side objects from being expanded. **Ex** − document.expando

7	**parentWindow** The window that contains the document. **Ex** − document.parentWindow
8	**readyState** Specifies the loading status of a document. It has one of the following four string values: **Ex** − document.readyState
9	**uninitialized** The document has not started loading. **Ex** − document.uninitialized
10	**loading** The document is loading. **Ex** − document.loading
11	**interactive** The document has loaded sufficiently for the user to interact with it. **Ex** − document.interactive
12	**complete** The document is completely loaded. **Ex** − document.complete

Document Methods in IE4 DOM

This model supports all the methods available in Legacy DOM. Additionally, here is the list of methods supported by IE4 DOM −

Sr.No	Property & Description
1	**elementFromPoint**x, y Returns the Element located at a specified point. Example: document.elementFromPointx, y

Example

The IE 4 DOM does not support the **getElementById** method. Instead, it allows you to look up

arbitrary document elements by id attribute within the all [] array of the document object.

Here's how to find all <li> tags within the first <ul> tag. Note that you must specify the desired HTML tag name in uppercase with the **all.tags** method.

```
var lists = document.all.tags("UL");

var items = lists[0].all.tags("LI");
```

Here is another example to access document properties using IE4 DOM method.

```
<html>

   <head>
      <title> Document Title </title>

      <script type="text/javascript">
         <!--
            function myFunc()
            {
               var ret = document.all["heading"];
               alert("Document Heading : " + ret.innerHTML );

               var ret = document.all.tags("P");;
               alert("First Paragraph : " + ret[0].innerHTML);
            }
         //-->
      </script>

   </head>
   <body>
      <h1 >This is main title</h1>
      <p>Click the following to see the result:</p>

      <form >
         <input type="button" value="Click Me" onclick="myFunc();" />
         <input type="button" value="Cancel">
      </form>

      <form d="form2" name="SecondForm">
         <input type="button" value="Don't ClickMe"/>
      </form>

   </body>
</html>
```

NOTE − This example returns objects for forms and elements and we would have to access their values by using those object properties which are not discussed in this tutorial.

Output