**Document Object:**

JavaScript Document object is an object that provides access to all HTML elements of a document. When an HTML document is loaded into a browser window, then it becomes a document object. The document object stores the elements of an HTML document, such as HTML, HEAD, BODY, and other HTML tags as objects.

A document object is a child object of the Window object, which refers to the browser. You can access a document object either using window.document property or using object directly.

**Methods of document object**

We can access and change the contents of document by its methods.

The important methods of document object are as follows:

**write("string")** -writes the given string on the doucment.

**writeln("string")** -writes the given string on the doucment with newline character at the end.

**getElementById()** -returns the element having the given id value.

**getElementsByName()** -returns all the elements having the given name value.

**getElementsByTagName()** -returns all the elements having the given tag name.

**getElementsByClassName()** -returns all the elements having the given class name.

**Window Object**

The window object is supported by all browsers. It represents the browser's window. All global JavaScript objects, functions, and variables automatically become members of the window object. Global variables are properties of the window object. Global functions are methods of the window object.

**Methods of window object**

The important methods of window object are as follows:

**alert()**  -displays the alert box containing message with ok button.

**confirm()** -displays the confirm dialog box containing message with ok and cancel button.

**prompt()** -displays a dialog box to get input from the user.

**open()** -opens the new window.

**close()** -closes the current window.

**setTimeout()** -performs action after specified time like calling function, evaluating expressions etc.

**Difference between Document and Window Objects in JavaScript**

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| --- | --- |
| **Document** | **Window** |
| It represents a browser window or frame that displays the contents of the webpage. | It represents a browser window or frame that displays the contents of the webpage. |
| It is loaded inside the window. | It is the very first object that is loaded in the browser. |
| It is the object of window property. | It is the object of the browser. |
| All the tags, elements with attributes in HTML are part of the document. | Global objects, functions, and variables of JavaScript are members of the window object. |
| We can access the document from a window using the window. document | We can access the window from the window only. i.e. window.window |
| The document is part of BOM (browser object model) and DOM (Document object model) | The window is part of BOM, not DOM. |
| Properties of document objects such as title, body, cookies, etc can also be accessed by a window like this window. document.title | Properties of the window object cannot be accessed by the document object. |
| syntax:  document.propertyname; | syntax:  window.propertyname; |
| example:  document.title : will return the title of the document | example:  window.innerHeight : will return the height of the content area of the browser |