**Difference between document and window:**

| **document** | **Window** |
| --- | --- |
| It represents any HTML document or web page that is loaded in the browser. | 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 |

**METHODS OF DOCUMENT**

* [**addEventListener()**](https://www.geeksforgeeks.org/html-dom-addeventlistener-method/): It is used to attach an event handler to the specified element.
* [**adoptNode()**](https://www.geeksforgeeks.org/html-dom-adoptnode-method/): It is used to adopt a node from another document and it returns a node object, representing the adopted node.
* [**close()**](https://www.geeksforgeeks.org/html-dom-close-method/): It is used to close the output stream.
* [**createAttribute()**](https://www.geeksforgeeks.org/html-dom-createattribute-method/)**:** It is used to create an attribute node with the specified name and returns the attribute object.
* [**createComment()**](https://www.geeksforgeeks.org/html-dom-createcomment-method/)**:** It is used to create a comment node with some text.
* [**createDocumentFragment()**](https://www.geeksforgeeks.org/html-dom-createdocumentfragment-method/): It is used to create the document fragment to change the content of the document.
* [**createElement()**](https://www.geeksforgeeks.org/html-dom-createelement-method/)**:** It is used to create HTML element .
* [**createEvent()**](https://www.geeksforgeeks.org/html-dom-createevent-event-method/): It is used to create a new events object.
* [**createTextNode()**](https://www.geeksforgeeks.org/html-dom-createtextnode-method/): It is used to create a textnode.
* [**execCommand()**](https://www.geeksforgeeks.org/html-dom-execcommand-method/): It is used to execute a command specified by the user on the editable selected section. It returns a Boolean value.
* [**fullscreenEnabled()**](https://www.geeksforgeeks.org/html-dom-fullscreenenabled-method/): It is used to check whether the document can be viewed in fullscreen mode or not. It returns a boolean value.
* [**getElementById()**](https://www.geeksforgeeks.org/html-dom-getelementbyid-method/): It returns the object of the given ID. If no object with that id exists then it returns null.
* [**getElementsByClassName()**](https://www.geeksforgeeks.org/html-dom-getelementsbyclassname-method/): It returns an object containing all the elements with the specified class names in the document as objects.
* [**getElementsByName()**](https://www.geeksforgeeks.org/html-dom-getelementsbyname-method/): It returns an object containing all the elements with the specified name in the document as objects.
* [**getElementsByTagName()**](https://www.geeksforgeeks.org/html-dom-getelementsbytagname-method/): It returns an object containing all the elements with the specified tag names in the document as objects.
* [**hasFocus()**](https://www.geeksforgeeks.org/html-dom-hasfocus-method/): It returns a boolean value that indicates whether the document or element has focus or not.
* [**importNode()**](https://www.geeksforgeeks.org/html-dom-importnode-method/): It imports the copy of a node from another document in the current document.
* [**normalize()**](https://www.geeksforgeeks.org/html-dom-normalize-method/): It flushes out the empty nodes and merges the adjacent text nodes with the first text node and
* [**normalizeDocument()**](https://www.geeksforgeeks.org/html-dom-normalizedocument-method/): It is used to normalize an HTML document by removing any empty text nodes and joining the adjacent text nodes.
* **open()**: It is used to open the output stream to collect the output.
* [**querySelector()**](https://www.geeksforgeeks.org/html-dom-queryselector-method/)**:** It returns the first element that matches a specified CSS selector(s) in the document.
* [**querySelectorAll()**](https://www.geeksforgeeks.org/html-dom-queryselectorall-method/): It returns a collection of an element’s child elements that matches a specified CSS selector(s) in the document
* [**removeEventListener()**](https://www.geeksforgeeks.org/html-dom-removeeventlistener-method/): It removes the event handler from an element that has an attached event.
* [**renameNode()**](https://www.geeksforgeeks.org/html-dom-renamenode-method/)**:** It is used to rename the node.
* [**write()**](https://www.geeksforgeeks.org/html-dom-write-method/): It is used to write some content or javascript code in the document.
* [**writeln()**](https://www.geeksforgeeks.org/html-dom-writeln-method/): It is used to write a document with a newline character after each statement.

**METHODS OF WINDOWS**

* [**alert()**](https://www.geeksforgeeks.org/html-window-alert-method/): It is used to display an alert box. It displays a specified message along with an OK button and is generally used to make sure that the information comes through the user.
* [**atob()**](https://www.geeksforgeeks.org/html-window-atob-method/): It is used for decoding a base-64 encoded string. It is used to decode a string of data that has been encoded using the btoa() method.
* [**blur()**](https://www.geeksforgeeks.org/javascript-window-blur-and-window-focus-method/): It is used to remove focus from the current window.
* [**btoa()**](https://www.geeksforgeeks.org/html-dom-window-btoa-method/): It is used for encoding a string in base-64 format.
* [**clearInterval()**](https://www.geeksforgeeks.org/javascript-cleartimeout-clearinterval-method/): It clears the interval which has been set by the setInterval() function before that.
* [**clearTimeout()**](https://www.geeksforgeeks.org/javascript-cleartimeout-clearinterval-method/)**:**It clears the timeout which has been set by the setTimeout()function before that.
* [**close()**](https://www.geeksforgeeks.org/javascript-window-close-method/)**:**It is used for closing a certain window or tab of the browser which was previously opened.
* [**confirm()**](https://www.geeksforgeeks.org/javascript-window-confirm-method/)**:**It is used to display a modal dialog with an optional message and two buttons i.e. OK and Cancel. It returns true if the user clicks “OK”, and false otherwise.
* [**focus()**](https://www.geeksforgeeks.org/javascript-window-blur-and-window-focus-method/)**:**It is used to give focus to an element in the current window.
* [**getComputedStyle()**](https://www.geeksforgeeks.org/javascript-window-getcomputedstyle-method/)**:**It is used to get all the computed CSS properties and values of the specified element.
* **getSelection()**: It returns a Selection object representing the range of text selected by the user
* [**matchMedia()**](https://www.geeksforgeeks.org/html-window-matchmedia-method/): It is used to return a MediaQueryList object which represents the result of the specified CSS media query string.
* [**open()**](https://www.geeksforgeeks.org/javascript-window-open-method/): It is used to open a new tab or window with the specified URL and name.
* [**moveBy()**](https://www.geeksforgeeks.org/html-window-moveby-method/): It is used for moving a window with a specified number of pixels relative to its current coordinates.
* [**moveTo()**](https://www.geeksforgeeks.org/html-window-moveto-method/): It is used in the window to move the window from the left and top coordinates.
* [**prompt()**](https://www.geeksforgeeks.org/javascript-window-prompt-method/): It is used to display a dialog with an optional message prompting the user to input some text
* [**resizeBy()**](https://www.geeksforgeeks.org/html-window-resizeby-method/): It is used to resize a window by the specified amount.
* [**resizeTo()**](https://www.geeksforgeeks.org/html-window-resizeto-method/): It is used to resize a window to the specified width and height.
* [**scrollBy()**](https://www.geeksforgeeks.org/html-window-scrollby-method/): It is used to scroll the document by the given number of pixels.
* [**scrollTo()**](https://www.geeksforgeeks.org/javascript-window-scrollto-method/): It is used to scroll to a particular set of coordinates in the document.
* [**setInterval()**](https://www.geeksforgeeks.org/java-script-settimeout-setinterval-method/)**:** It repeats a given function at every given time interval.
* [**setTimeout()**](https://www.geeksforgeeks.org/java-script-settimeout-setinterval-method/): It executes a function, after waiting a specified number of milliseconds.
* [**stop()**](https://www.geeksforgeeks.org/html-dom-window-stop-method/): It is used to stop the window from loading resources in the current browsing context.