**Difference between Document and Window Object**

**Document Object:**The document object represent a web page that is loaded in the browser. By accessing the document object, we can access the element in the HTML page. With the help of document objects, we can add dynamic content to our web page. The document object can be accessed with a **window.document**or just**document.**

**Syntax:**

document.property\_name;

The properties of document objects that are commonly used are listed in the below table:

**Properties of document:**

* [activeElement](https://www.geeksforgeeks.org/html-dom-activeelement-property/): It returns the currently active elements in the document.
* [body](https://www.geeksforgeeks.org/html-dom-body-property/): It returns the contents of the body element.
* **anchors**: It returns all <a> elements that have a name attribute.
* [baseURI](https://www.geeksforgeeks.org/html-dom-baseuri-property/): It returns a string value that represents the base URI of the document.
* [cookie](https://www.geeksforgeeks.org/html-dom-cookie-property/): It returns the cookie of the current document.
* [charSet](https://www.geeksforgeeks.org/html-dom-script-charset-property/): It returns a string, representing the document’s character encoding.

**Syntax:**

document.method\_name;

The lists of most commonly used methods are listed below:

* [addEventListener()](https://www.geeksforgeeks.org/html-dom-addeventlistener-method/): It is used to attach an event handler to the specified element.
* [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.

**Window Object:** The window object is the topmost object of the DOM hierarchy. It represents a browser window or frame that displays the contents of the webpage. Whenever a window appears on the screen to display the contents of the document, the window object is created.

**Syntax:**

window.property\_name;

The properties of Window objects that are commonly used are listed in the below table:

**Properties of the window:**

* [Closed](https://www.geeksforgeeks.org/javascript-window-close-method/): It holds a Boolean value that represents whether the window is closed or not.
* **console**: It returns a reference to the console object which provides access to the browser’s debugging console.
* **defaultStatus**: It is used to define the default message that will be displayed in the status bar when no activity is carried on by the browser.
* **controllers**: It returns the XUL controller objects for the current Chrome window.

**Syntax:**

window.method\_name;

The methods of Window objects that are commonly used are listed in the below table:

* [alert()](https://www.geeksforgeeks.org/html-window-alert-method/): It is used to display an alert box.
* [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.