# Differences between Document and Window Objects:

In this article, we will see the Document object & Window object, their various properties & methods, along with knowing their implementation & the differences between them.

## ****Document Object:****

The document object represents 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:**

active Element: It returns the currently active elements in the document.

body: It returns the contents of the body element.

cookie: It returns the cookie of the current document.

doc-type: It returns the document’s doc-type

title: It returns the title element of the document.

head: It returns the head element of the document.

Methods of Document:

Syntax:

document.method\_name;

addEventListener: It is used to attach an event handler to the specified element.

createAttribute: It is used to create an attribute node with the specified name and returns the attribute object.

creatElement: It is used to create HTML element .

getElementById: It returns the object of the given ID. If no object with that id exists then it returns null.

Example: This example describes the implementation of the document.object.

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: 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.

Document: It returns a reference to the document object of that window.

Methods of Window:

Syntax:

window.method\_name;

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

alert():  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.

setIntervel(): It repeats a given function at every given time interval.

setTimeout():It executes a function, after waiting a specified number of milliseconds.

Example: This example describes the implementation of the window.object.

Difference between document and window:

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| --- | --- |
| 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 |
| 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; |