# **Differences between Document and Window Objects**

**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.**

**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.

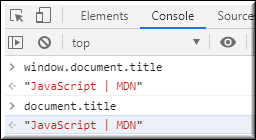
**Window Vs Document**

**Window object** : It is the top most object and outermost element of the object hierarchy as shown in *Figure 1.*

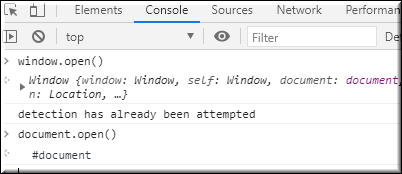
**Document object** : Each HTML document that gets loaded into a window becomes a document object. The document contains the contents of the page. Using document object, JavaScript can modify, add and delete the HTML elements, attributes CSS styles in the page

The *window object* represents a window/tab containing a DOM document where as *document object*is property of *window object*that points to the DOM document loaded in that window.

You can access a document object either using *window.document* property or using document object directly as window is global object. In the below example, title is the property of document object.



The other major difference is that both window object and document object have properties and methods. Few method names are same in both objects but with different behavior. In the below example *window.open()*opens a new tab or window and *document.open()* creates a blank document within the window.



**Screen**

Screen is the window property that holds information of browser screen. It refers to screen object associated with that window **object**. Used to display screen width, height, colorDepth, pixelDepth etc

Similar to document screen can be accessed either by *window.screen* or *screen*object directly. Screen object doesn't have any methods as in window and document objects.

