In JavaScript, the document object and windows object are play two different roles but both are closely related objects. In common, the document object is focused on the content and structure of the web page, while the window object is focused on the browser environment in which the page is displayed.

**Document object:** The document object represents the web page displayed in the current user browser window. It provides access to the HTML elements and other various elements on the page, and it allows you to manipulate their content, style, and attributes. this document object can be accessed with a window.document or just document. For example, you can use the document object to add or remove elements, change the text of elements, or modify their CSS styles.

**Window Object:** At the top of the DOM hierarchy is the window object. The browser window itself is represented by the window object. It gives users a variety of browser window-related properties and methods, including those that control the window's size, location, and status. Additionally, you can use the window object to interact with existing browser windows and tabs in a various way.

| **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 |

Ref: geeksforgeeks.org