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| **difference between document and window objects** | |
| **Document Object** | **Window**  **Object** |
| **1.The Document object represents the web page's content, structure, and elements, including HTML elements like headings, paragraphs, images, forms, and links.** | **The Window object represents the browser window or tab itself and provides access to browser-related features and functionality.** |
| **2. It is part of the DOM and is nested within the Window object.** | **It is the top-level object in the DOM hierarchy, encapsulating the entire browser window, including multiple frames or tabs if present.** |
| **3.You can access the Document object using document in JavaScript.** | **You can access the Window object using window in JavaScript.** |
| **4.The Document object is limited to the content of a single web page and represents the current HTML document being displayed in the browser.** | **The Window object encompasses the entire browser environment and is not limited to a specific web page or document.** |
| **5.It provides methods for manipulating the document's structure, content, and styles, such as getElementById(), querySelector(), and createElement().** | **It offers methods for controlling the browser window, such as open(), close(), and resizeTo(), as well as for managing timers with setTimeout() and setInterval().** |
| **6.You can attach events to elements within the Document object, such as click events or form submission events.** | **You can attach events to the Window object for handling browser-related events, like resizing, navigating, or closing the window.** |
| **7.It has properties that allow you to access and modify elements, attributes, and content within the document, like title, body, and URL.** | **It has properties that provide information about the browser environment, such as location, history, and navigator.** |
| **8.Example: “document.title” will return the title of the document** | **Example:” window.document.title “will return the title of the document.** |
| **9.logically: document:{ properties}** | **logically: window:{  document:{properties} }** |
| **It is an object of window.** | **It is an object of the browser.** |