1. Write a blog on the Difference between document & window objects

**Window object: Document object** :

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| The Windows Object Model or “WOM” is a framework used by Microsoft Windows operating systems to represent and interact with various system components, like Windows, controls, menus, and other GUI elements. It is based on a binary interface standard used in Windows for inter-process communication and component interaction. | | The Document Object Model is the one on which the whole webpage is standing, it contains HTML elements that are placed in the form of a hierarchy tree. When it is compiled transforms the element into the form of a webpage. To use the Document object, the following syntax will be used |
| \*Closed- It represents whether the window is closed or not.  \*Document- Returns a document object reference.  \*console- Retrieves an object containing the reference to the console that offers access to browsers.  \*Length - Represents the number of frames | | \*activeElement- It retrieves the currently used or active HTML element in the document.  \*body- Retrieves the content residing inside the “**<body>**” tag.  \*anchors- Retrieve all <a> anchor elements  \*baseURI- Retrieves a string value that identifies the base URI |
| It identifies the browser tab that contains the webpage and handles events related to the window, such as resizing, scrolling, or closing. | | It represents the content for the web page that gets loaded on the browser and provides the methods to query and modify the structure of the document. |
| The scope can extend beyond the current document to a tab of the | | Its scope is limited to the web pages it represents. |
| Properties for window objects are not accessible using the document object. | | The various properties of the DOM can be returned or get by utilizing the document object. |
| It is only part of the Browser Object Model | | Document Object is part of the Browser Object Model and Document Object Model. |
| It can also access by utilizing the “**window.window**” | | The programmer can access the document from the window with the help of “**window.document**”. |
| The syntax for Window Object is:  **window.propertyName** | | The syntax for Document Object is:  **document.propertyName** |
| The “**Window Object**” handles events related to the window like scrolling, resizing, and so on, and is located in the system browser. | The **“Document Object**” is a part of the Browser Object Model and the Document Object Model, it handles the rendering of content on the webpage and is located inside the window | |