**Window:**

* The topmost object in the BOM is the **window**object representing the window or tab or an iframe sometimes. Window object has properties like browser history, location and the device’s screen etc.
* The window is at a root/top level at the JavaScript object hierarchy.
* example window.open() opens a new tab or window

**Document**

* When a web page is loaded, the browser creates a Document Object Model of the page. The document object represents the whole html document as a tree of Objects(HTML, HEAD, BODY, and other HTML tags).
* 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.
* document.open() creates a blank document within the window

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| **Document** | **Window** |
| It represents the document loaded inside the window or browser. | It represents the browser window in which you are seeing the content. |
| The properties related to it are stored in the document object. | The properties related to it are stored in the window object. |
| It is loaded after the loading window because the window contains a document. | It is loaded before the document because window container document. |
| It is the root element of the document object model. | The window is the global element for all objects, functions, etc. |
| It is an object of window. | It is an object of the browser. |
| We can not access windows objects properties inside the document. | We can access document object properties inside the window. |
| logically:  document:{ properties} | logically:      window:{         document:{properties}     } |
| Example: document.title will return the title of the document | Example: window.document.title will return the title of the document. |

A diagram of a computer

Description automatically generated

## 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.

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| Window | Object | Screen |
| The window object represents the browser window itself and provides methods for interacting with the browser's environment. | The document object represents the current web page's content and structure, allowing manipulation using the DOM. | The screen object provides information about the user's screen dimensions and display properties. |