**1.Write a blog on the difference between document and windows objects?**

**1.THE DOCUMENT OBJECT:**

* The Document object encapsulates the entire HTML document loaded in the browser window.
* It provides an interface for accessing and manipulating the structure, content, and styling of the document.
* Developers leverage the Document object to interact with elements within the document, employing methods like getElementById(), querySelector(), and getElementsByTagName().

**2.THE WINDOW OBJECT:**

* The Window object represents the browser window or tab containing the HTML document.
* It acts as the global object in client-side JavaScript, offering access to browser-specific functionalities and properties.
* In addition to encapsulating the Document object, the Window object encompasses browser-related features such as navigation, history, timing, and window-specific methods like alert(), confirm(), and setTimeout().

**3.INTERRELATIONSHIP:**

* While the Document object is a property of the Window object, they serve distinct purposes and exist within different scopes.
* The Document object pertains solely to the content and structure of the HTML document, whereas the Window object encompasses broader browser-related functionalities.
* Developers can access the Document object directly without explicitly referencing the Window object, as it is automatically available in the global scope.

**4.SCOPE & ACCESSIBILITY:**

* The Document object is scoped to the HTML document, facilitating manipulation of its elements and properties.
* Conversely, the Window object encompasses the entire browser window or tab, providing access to browser-specific features and functionalities.

**5.BEST PRACTICES AND USAGE:**

* Utilize the Document object when interacting with the structure, content, and styling of the HTML document, employing methods tailored for DOM manipulation.
* Leverage the Window object for tasks related to browser behavior, event handling, and interaction with browser features such as alerts and timers.
* Maintain clarity and efficiency in code implementation by discerning the appropriate object for specific tasks and contexts.