**Document Object :**

The **document** object represents the entire HTML document within a browser window. It serves as an interface to access and manipulate the content, structure, and styles of a web page*.*

**Key Characteristics of the Document Object:**

1. **DOM Structure**: The**document**object provides a hierarchical representation of the HTML elements on a webpage, allowing developers to navigate, modify, and manipulate the content dynamically.
2. **Methods**: The **document**object offers methods like **getElementById(),** **getElementsByClassName(),** and**querySelector()**, enabling developers to select specific elements based on their IDs, classes, or other attributes.
3. Properties: Properties such as **document.title, document.URL,** and**document.body** provide information about the document's title, URL, and body, respectively.
4. Content Manipulation: Through the document object, you can dynamically create, modify, or delete elements, attributes, and text content on a webpage.

**Window Object :**

The**window** object represents the browser window or tab containing the DOM document. It acts as a global object, providing methods and properties related to the browser environment, including navigation, location, history, and timing.

**Key Characteristics of the Window Object:**

1. Global Scope: The **window** object serves as the global scope in JavaScript, meaning variables and functions declared without the **var, let,** or **const** keyword become properties of the window object.
2. Browser Information: The window object offers properties like **window.innerWidth, window.innerHeight,** and **window.navigator** to provide information about the browser's dimensions, navigator object, and other related details.
3. Navigation: Methods such as **window.open(), window.close(),** and **window.location** allow developers to control browser navigation, open new windows or tabs, and manipulate the current URL.
4. Timers: The window object provides functions like **setTimeout(), setInterval(),** and **clearTimeout()** to manage time-based operations and execute code asynchronously.