**Day-2-Task**

1.Write a blog on difference between the document and window object

Window Object:

The window object is a global object in JavaScript and serves as the top-level container for all objects, functions, and variables in a browser environment. It represents the browser window or frame and provides access to various properties and methods that enable interaction with the browser.

Document Object:

The document object represents the HTML document loaded in the browser. It serves as an interface to manipulate the content and structure of the document.

The key differences between the document and window objects in JavaScript:

Scope:

Window: Represents the global context of the entire browser window or frame. It encompasses the browser environment, including properties, methods, and variables.

Document: Represents the HTML document loaded in the browser. It is specific to the content and structure of the document within the window.

Global Nature:

Window: Acts as the global object. Variables and functions declared without explicit scoping become properties and methods of the window object.

Document: Although accessible globally, the document object is not the global object. It is primarily associated with the loaded HTML document.

Responsibility:

Window: Manages browser-related information, properties, and events. It provides access to the browser's dimensions, location, and various functions like setTimeout and setInterval.

Document: Facilitates interaction with the content and structure of the HTML document. It provides methods to select, modify, and create HTML elements dynamically.

Selection Methods:

Window: Does not have methods for selecting HTML elements. It focuses more on browser-related functions.

Document: Provides methods like getElementById, getElementsByClassName, and querySelector for selecting and interacting with HTML elements within the document.

Manipulation Focus:

Window: Emphasizes broader aspects of the browser environment, including browser properties, events, and timers.

Document: Concentrates on the manipulation and interaction with the content and structure of the loaded HTML document.

Understanding these differences is crucial for effective JavaScript development, especially when dealing with DOM manipulation and browser-related tasks. While the window object provides a global context, the document object serves as the gateway to the specific HTML content within that context.