**DAY 2**

**1.WRITE A BLOG ON THE DIFFERENCE BETWEEN DOCUMENT AND WINDOW OBJECT?**

**DOCUMENT:**

The document object represents a web page that is loaded in the browser. By accessing the document object, we can access the element in the HTML page. With the help of document objects, we can add dynamic content to our web page. The document object can be accessed with a **window.document**or just**document.**

**Syntax:**

document.property\_name;

The Document and window objects are both important components of the document object model in web browsers,but they serve different purposes and have distinct characteristics.

* The Document object represents the HTML document loaded in a webpage .
* It is accessible through the global document variable in Javascript.
* The Document object allows you to interact with and manipulate the content of the webpage ,such as modifying the DOM structure ,changing element properties and accessing the pages’s content like forms,images and links.
* It provides methods and properties for handling the structure and content of the webpage like getElementById(),querySelector() and innerHTML.
* The Document object is static and represents the current state of the document.changes made to the Document object affect the content and structure of the webpage.
* Accessing the Document Object:The document object is accessible through the global document variable in Javascript.

**Window Object:**

The window object is the topmost object of the DOM hierarchy. It represents a browser window or frame that displays the contents of the webpage. Whenever a window appears on the screen to display the contents of the document, the window object is created.

**Syntax:**

window.property\_name;

* The Window object represents the web browser window or tab in which a webpage is loaded.
* It is accessible through the global window variable in Javascript.
* The window object provides methods and properties related to the browser window ,including features like navigation,history,window size and position and interfactions with other open windows or tabs.
* It allows you to control the browser environmental and its behavior for example,opening new windows or tabs navigating to URLs and managing cookies.
* The window object is dynamic and can change as users interact with the browser such as resizing the window ,scrolling or closing it.
* Accessing the window object:The window object is accessible through the global window variable in Javascript.It represents the browser window or tab in which the web page is loaded.

In summary, the Documentobject focuses on the structure and content of the loaded web page and is mainly used for interacting with the HTML document itself.In contrast,the window object deals with the broader browser environment ,window management ,and user interactions.Both objects are essential for web development and provide different sets of functionalities for building interactive web applications.