GUVI

Day-2

Task

Q1) write a blog on the difference between document and window objects?

When building website and web application, it is important to understand the difference between the document and the window objects. These two objects are the building blocks of the browser document object model (DOM) and are essential for creating dynamic, interactive webpage.

The Document Object represents the web page itself, including all of it content, such as text, Images and Videos. It is the top level object is the Dom hierarchy and provide a range of methods and properties for accessing and manipulating the content of a web page.

On the other hand, the window Object represent the browser window or tab display the web page. It provides a range of methods and properties for interacting with the browser, including navigating to other web pages, opening new windows, and manipulating the size and position of the window

Here is some of the key difference between the document and window objects.

**SCOPE:**

Document Object: The document object is limited to the current web page.

Window Object: The window object is global and can be accessed from any script running in the browser.

**METHODS:**

Document Object: The document object provides method for accessing and manipulating the content of the web page, such as getElementById() and CreateElement().

Window Object: The window object provides method for interacting with the browser, such as alert() and open().

**PROPERTIES:**

Document Object: The document object provides properties for accessing the content of the web page, such as title and body.

Window Object: The window object provides properties for accessing information about browser, such as location and history.

**EVENTS:**

The Both the document and window objects provides support for events such as onclick and onload. However the event provided by the document the are related to the content of the web page, while the event provided by the window object are related to the browser itself.

**RELATIONSHIP:**

The window objects contain document object as well as other object such as location and history. In other words the document object is a property of the window object.

In Summary, the document object represent the content of webpage, while the window object represent the browser window or tab that display the webpage. While they share some similarities, such as support for events and methods for accessing properties, their scope, methods, and properties are distinct and tailored to their respective roles in the browser’s DOM hierarchy. By understanding these differences, web developers can use the document and window objects effectively to create engaging and interactive web pages.