

## Roadmap Sessions Day 02 Tasks

***Write a blog on the difference between document & window object:***

***Document object:***

The document object is a programming interface for web documents. It represents a web page that is loaded in the browser. By accessing the document object, we can access the element in the HTML page. We can add dynamic content to our web page with the help of document objects.

Each HTML document that gets loaded into a window becomes a document object. The document contains the contents of the page. Using a document object, javascript can modify, add and delete the html elements, attributes CSS styles in the page.

***Window object:***

Window object represents the current open window or tab in a browser. The window object is automatically created from the browser. Window object has properties like browser history, location, etc.

In case of a multi tab browser, a window object represents a single tab, but some of its properties like innerHeight, innerWidth and methods like resize will affect the whole browser window. The window object methods are used to retrieve the information from the browser window.

***Differences between document object & window object:***

S.No	Document Object	Window Object
1	It represents any HTML document or web page that is loaded in the browser.	It represents a browser window or frame that displays the contents of the webpage.
2	It is loaded inside the window.	It is the very first object that is loaded in the browser
3	It is the object of window property	It is the object of the browser
4	All the tags, elements with attributes in HTML are part of the document.	Global objects, functions and variables of Javascript are members of the window object.
5	We can access the document from a window using the window document	We can access the window from the window only.
6	Properties of document objects can also be accessed by a window object also.	Properties of the window object cannot be accessed by the document object.
7	It is the direct child of the window object	It is the root level element in any web page.
8	It is used to manipulate methods and properties of web page loaded in the browser	It is used to manipulate methods and properties associated with the web browser itself