1.Write a blog on difference between document and window objects .

DOM stands for Document Object Model, an interface for web documents that represents their structure as a tree-like object. It allows dynamic manipulation of page content using languages like javascript.

D = Document. Eg: Html, Xml

O = Object . Tags in our code. Eg: h1,p,a,img.

M = Model , layout structure, where the above Document object is structured in a proper form according to the code in a browser.

When we request a website from client side after TCP protocol done, server responds us with index.html, css, javascript files, our browser containing Rendering and browsing engine will form multiple DOM nodes together we call DOM Tree from given data and paints us the whole website, which appears in User Interface.

DOM is not specific to Javascript. Other languages like C , Java ,etc., also can be used.

We can perform CRUD operations in DOM.

What can we do with DOM?

* Interactive Websites
* Interactive Games
* Can even build a Framework.

DOM is available only at Browser.

WINDOW

Window is parent of Document Object which is present at browser.

We can access document in window by command : Window.document

Window has many methods.

Window object is a environment, which has all methods, Dom elements, present at browser and not in NodeJS.

There are two ways to execute javascript code, Browser and Nodejs.

Dom and Bom(Browser object model) are present only in Browser environment.

Developers use the Window object to perform actions related to the browser window, such as controlling the size and position of the window, handling events like page load, and managing browser history. It also provides access to other objects like the Document object

In summary, the Document Object Model (DOM) is primarily concerned with the representation and manipulation of the document's structure and content, while the Window object deals with the broader browser environment, providing access to properties and methods related to the entire browser window. The Window object is also the global context for JavaScript in a browser, and it includes properties and methods that are not specific to a particular document.