**1.Write a blog on the difference between Document and Window object**

**Window Object (Global Object)**

* The window object is a**global object** that has the properties pertaining to the current DOM document, which is what’s in the tab of a browser. The document property of the window object has the DOM document and associated nodes and methods that we can use to manipulate the DOM nodes and listen to events for each node**Object (global object)**
* The Browser Object Model contains objects that represent the current browser window or tab. The topmost object in the BOM is the ***window***object representing the window or tab or an iframe sometimes.
* Window object has properties like browser history, location and the device’s screen etc. In case of multi tab browser, *a window object* represents a single tab, but some of its properties like innerHeight, innerWidthand methods like resizeTo () will affect the whole browser window.
* It is the top most object and outermost element of the object*.*
* The window object represents a window/tab containing a DOM document whereas document objectis property of window objectthat points to the DOM document loaded in that window.
* The other major difference is that both window object and document object have properties and methods. Few method names are same in both objects but with different behavior. example window. open ()opens a new tab or window and document. Open () creates a blank document within the window.
* Screen is the window property that holds information of browser screen. It refers to screen object associated with that window **object**. Used to display screen width, height, colorDepth, pixelDepth etc

**Document Object Model**

* The Document Object Model (DOM) is a programming interface for **HTML (Hypertext Markup Language)** and **XML** (Extensible markup language) documents. It defines the **logical structure** of documents and the way a document is accessed and manipulated.
* It is called a Logical structure because DOM doesn’t specify any relationship between objects.
* When a web page is loaded, the browser creates a Document Object Model of the page. The document object represents the whole html document as a tree of Objects (HTML, HEAD, BODY, and other HTML tags). It is the root element that represents the html document.
* Each HTML document that gets loaded into a window becomes a document object. The document contains the contents of the page. Using document object, JavaScript can modify, add and delete the HTML elements, attributes CSS styles in the page
* You can access a document object either using window. Document property or using document object directly as window is global object.
* Document screen can be accessed either by window. screen or *screen*object directly. Screen object doesn't have any methods as in window and document objects.