Window Vs Document

Window **object**

**Window object in JavaScript** is the top of the BOM hierarchy. It is a parent of all objects that we create, both directly through JavaScript and indirectly via DOM.

A window object simply represents a web browser window (or frame within a window) that displays the HTML document.

An HTML document may contain toolbar, menu, the page itself, and many other objects.

All major web browsers support the window object that contains global variables, functions, and JavaScript objects. These are automatically a member of window object.

The web browser automatically creates an instance of window.

When a web browser loads a web page having JavaScript code, it automatically creates many JavaScript objects that provide access to the web pages and HTML elements that it contains. We use these objects to update and interact with loaded web page.

## Document object

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. Document Objects in JavaScriptDocument objects are part of Document Object Model (DOM) defined by W3C. Every window is connected with document object. It is a container for all HTML objects associated with the HTML tags of an HTML document.

The document object provides various properties such as anchor, alinkColor, cookie, forms, history, etc. and methods such as clear, close, open, etc.

We can access document objects using document property of the window object provided by the browse

The *window object* represents a window/tab containing a DOM document where as *document object*is property of *window object*that points to the DOM document loaded in that window.

You can access a document object either using *window.document* property or using document object directly as window is global object. In the below example, title is the property of document object.

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. In the below example *window.open()*opens a new tab or window and *document.open()* creates a blank document within the window.