Write a blog on the difference between document and window objects?

The Document object and the Window object are two important objects in JavaScript.

The Document object represents the web page that is loaded in the browser, while the Window object represents the browser window or tab itself.

The Document object is used to access the elements in the HTML page and add dynamic content to the web page. It can be accessed with a window.document or just document.

Some of the commonly used properties of the Document object are:

1. **activeElement:** Returns the currently active element in the document.
2. **body:** Returns the contents of the body element.
3. **anchors:** Returns all <a> elements that have a name attribute.
4. **cookie:** Returns the cookie of the current document.
5. **defaultView:** Returns the current Window object.
6. **domain:** Returns the domain name of the document server.
7. **doctype:** Returns the document's doctype.
8. **embeds:** Returns the collection of all embedded elements.
9. **URL:** Returns the complete URL of the document.
10. **forms:** Returns all the elements of the form.
11. **images:** Returns the collection of <img> elements in the document.
12. **implementation:** Returns the DOMImplementation object associated with the current document.
13. **lastModified:** Returns the date and time of the current document that was last modified.
14. **scripts:** Returns all script elements present in the document.
15. **title:** Returns the title element of the document.

Some of the commonly used methods of the Document object are:

addEventListener(): Used to attach an event handler to the specified element.

adoptNode(): Used to adopt a node from another document and it returns a node object, representing the adopted node.

close(): Used to close the output stream.

createAttribute(): Used to create an attribute node with the specified name and returns the attribute object.

createComment(): Used to create a comment node with some text.

createDocumentFragment(): Used to create the document fragment to change the content of the document.

On the other hand, the Window object provides a broader scope, encompassing the browser window's properties, methods, and functionalities.

Some of the commonly used properties of the Window object are:

closed: Returns a Boolean value indicating whether the current window has been closed or not.

document: Returns the Document object associated with the window.

innerHeight: Returns the height of the window's content area.

innerWidth: Returns the width of the window's content area.

location: Returns the Location object associated with the window.

name: Sets or returns the name of the window.

opener: Returns a reference to the window that opened the current window.

outerHeight: Returns the height of the whole browser window.

outerWidth: Returns the width of the whole browser window.

pageXOffset: Returns the pixels the current document has been scrolled horizontally.

pageYOffset: Returns the pixels the current document has been scrolled vertically.

parent: Returns the parent window of the current window.

screen: Returns the Screen object associated with the window.

scrollX: An alias of pageXOffset.

scrollY: An alias of pageYOffset.

self: Returns the current window.

top: Returns the topmost window in the window hierarchy.

In summary, while the Document object focuses on representing and manipulating the content within an HTML document, the Window object provides a broader scope, encompassing the browser window's properties, methods, and functionalities .

THANK YOU