**Day 2 Task**

**Window Object:**

It is the top most object and outermost element of the object hierarchy. The window object represents a window/tab containing a DOM document. The window object is supported by all browsers.

The window object represents the current browsing context . It holds things like window.location, window.history, window.screen, window.status, or the window.document . Each browser tab has its own top-level window object. Each of these windows gets its own separate global object. window.window always refers to window, but window.parent and window.top might refer to enclosing windows, giving access to other execution contexts. Moreover, the window property of a window object points to the window object itself.

***Syntax*****window.property\_name;**

Some of the properties are

* Closed
* Document
* Name
* Screen
* Opener
* Self
* innerHeight
* Navigator

**Methods of Window**

***Syntax* window.method\_name;**

Some of the methods are

* alert()
* open()
* close()
* prompt()
* setTimeout()
* resizeTo()
* blur()
* focus()

**Document Object**

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. Document object is property of a window object that points to the DOM document loaded in that window.

When an HTML document is loaded into a web browser , it becomes a document object. It is the root node of the HTML document. The document actually gets loaded inside the window object and has properties available to it like title, URL, cookie, etc. HTML documents, served with the "text/html" content type, also implement the HTMLDocument interface, whereas XML and SVG documents implement the XMLDocument interface.

***Syntax***    **document.property\_name;**

Some of the properties are

* title
* body
* head
* domain
* Doctype
* URL
* lastModified
* defaultView

**Methods of Document**

***Syntax*   document.method\_name;**

Some of the methods are

* write()
* open()
* createElement()
* createEvent()
* getElementById()
* hasFocus()
* normalize()
* writeln()

**Difference between Window Object and Document Object**

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| **Window object** | **Document object** |
| The window object represents a window/tab containing a DOM document | Document object is the property of window object that points to the DOM document loaded in that window |
| It is the top level object in the javascript and contains several other objects like document, history etc… | When a HTML document is loaded into a web browser, it becomes a document object. |
| It represents a open window in browser | It is the root node of the HTML document and the owner of all other nodes |
| If a document contains frames , the browser creates one window object for the HTML document, and one additional window object for each frame. | The document is a part of the Window object and can be accessed as window.document. |