**DIFFERENCE BETWEEN DOCUMENT AND WINDOWS OBJECTS**:

In this article, we will see the document object & window object, their various properties & methods, along with knowing their implementation & the differences between them.

**WINDOW VS DOCUMENT**

**WINDOW OBJECT:**  It is the top most object and outermost element of the object hierarchy.

**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 OBJECT:**

The document object represent a web page that is loaded in the browser. by accessing the document object, we can access the element in the html page. with the help of document objects, we can add dynamic content to our web page. the document object can be accessed with a window.document or just document.

**POINTS:**

* it represents any html document or web page that is loaded in the browser.
* it is loaded inside the window.
* it is the object of window property.
* all the tags, elements with attributes in html are part of the document.
* we can access the document from a window using the window. document
* the document is part of bom (browser object model) and dom (document object model)
* properties of document objects such as title, body, cookies, etc can also be accessed by a window like this window. document.title

**SYNTAX:**

document.property\_name;

**EXAMPLE:**

document.title : will return the title of the document

**PROPERTIES AND METHODS OF DOCUMENT OBJECT**:

**METHODS DESCRIPTION**

alert() displays an alert box with a message and an ok button

blur() removes focus from the current window

clearinterval() clears a timer set with setinterval()

cleartimeout() clears a timer set with settimeout()

close() closes the current window

confirm() displays a dialog box with a message and an ok and a cancel button

createpopup() creates a pop-up window

focus() sets focus to the current window

moveby() moves a window relative to its current position

moveto() moves a window to the specified position

open() opens a new browser window

print() prints the content of the current window

prompt() displays a dialog box that prompts the visitor for input

resizeby() resizes the window by the specified pixels

resizeto() resizes the window to the specified width and height

scroll() deprecated. this method has been replaced by the scrollto() method.

scrollby() scrolls the document by the specified number of pixels

scrollto() scrolls the document to the specified coordinates

setinterval() calls a function or evaluates an expression at specified intervals (in milliseconds)

settimeout() calls a function or evaluates an expression after a specified number of milliseconds

stop() stops the window from loading

**WINDOW OBJECT:**

The window object is the topmost object of the dom hierarchy. it represents a browser window or frame that displays the contents of the webpage. whenever a window appears on the screen to display the contents of the document, the window object is created.

**POINTS:**

* it represents a browser window or frame that displays the contents of the webpage.
* it is the very first object that is loaded in the browser.
* it is the object of the browser.
* global objects, functions, and variables of javascript are members of the window object.
* we can access the window from the window only. i.e. window.window
* the window is part of bom, not dom.
* properties of the window object cannot be accessed by the document object.

**SYNTAX:**

window.propertyname;

**EXAMPLE:**

window.innerheight : will return the height of the content area of the browser

**PROPERTIES OF WINDOW OBJECT**:

**PROPERTY DESCRIPTION**

closed returns a boolean value indicating whether a window has been closed or not

defaultstatus sets or returns the default text in the statusbar of a window

document returns the document object for the window

frameelement returns the, <iframe> element in which the current window is inserted

frames returns all,<iframe> elements in the current window

history returns the history object for the window

innerheight returns the inner height of a window's content area

innerwidth returns the inner width of a window's content area

length returns the number of, <iframe> elements in the current window

location returns the location object for the window (see location object)

name sets or returns the name of a window

navigator returns the navigator object for the window (see navigator object)

opener returns a reference to the window that created the window

outerheight returns the outer height of a window, including toolbars/scrollbars

outerwidth returns the outer width of a window, including toolbars/scrollbars

pagexoffset returns the pixels the current document has been scrolled (horizontally) from the upper left corner of the window

pageyoffset returns the pixels the current document has been scrolled (vertically) from the upper left corner of the window

parent returns the parent window of the current window

screen returns the screen object for the window (see screen object)

screenleft returns the horizontal coordinate of the window relative to the screen

screentop returns the vertical coordinate of the window relative to the screen

screenx returns the horizontal coordinate of the window relative to the screen

screeny returns the vertical coordinate of the window relative to the screen

self returns the current window

status sets or returns the text in the statusbar of a window

top returns the topmost browser window