Difference between Document and Window Objects:

Document Object:

- ➢ It represents any HTML document or web page that is loaded in the browser.
- ➢ It is the object of window property.
- ➢ It is loaded inside the window.
- ➢ All the tags, elements with attributes in HTML are part of the document.
- ➢ The document is part of BOM (browser object model) and DOM (Document object model).
- ➢ We can access the document from a window using the window. Document.
- ➢ Properties of document objects such as title, body, cookies, etc can also be accessed by a window like this window. document.title.

Some Properties of Document Object :

- ➢ anchors: It returns all <a> elements that have a name attribute.
- ➢ embeds: It returns the collection of all embedded elements.
- ➢ URL: It returns the complete URL of the document.
- ➢ forms: It returns all the elements of the form.
- ➢ title: It returns the title element of the document.
- ➢ head: It returns the head element of the document.
- ➢ links: It returns all <area> and <a> elements that have a href attribute.

syntax: document.propertyname;

Some Methods of Document Object:

- ➢ createAttribute(): It is used to create an attribute node with the specified name and returns the attribute object.
- ➢ createComment(): It is used to create a comment node with some text.
- ➢ createDocumentFragment(): It is used to create the document fragment to change the content of the document.
- ➢ createElement(): It is used to create HTML element .
- ➢ getElementById(): It returns the object of the given ID. If no object with that id exists then it returns null.
- ➢ getElementsByClassName(): It returns an object containing all the elements with the specified class names in the document as objects.
- ➢ getElementsByName(): It returns an object containing all the elements with the specified name in the document as objects.
- ➢ getElementsByTagName(): It returns an object containing all the elements with the specified tag names in the document as objects.

Syntax: document.method_name;

Window Object:

➢ It represents a browser window or frame that displays the contents of the webpage.
➢ It is the object of the browser.
➢ It is the very first object that is loaded in the browser.
➢ Global objects, functions, and variables of JavaScript are members of the window object.
➢ The window is part of BOM ((browser object model), not DOM (Document object model).
➢ We can access the window from the window only. i.e., window. window.
➢ Properties of the window object cannot be accessed by the document object.

Some Properties of Window Object :

➢ Closed: It holds a Boolean value that represents whether the window is closed or not.
➢ console: It returns a reference to the console object which provides access to the browser's debugging console.
➢ defaultStatus: It is used to define the default message that will be displayed in the status bar when no activity is carried on by the browser.
➢ controllers: It returns the XUL controller objects for the current Chrome window.
➢ DOMRect: It returns a reference to a DOMRect object, which represents a rectangle.
➢ Length: It represents the number of frames in the current window.

syntax: window. propertyname;

Some Methods of Window Object:

➢ resizeBy(): It is used to resize a window by the specified amount.
➢ resizeTo(): It is used to resize a window to the specified width and height.
➢ scrollBy(): It is used to scroll the document by the given number of pixels.
➢ scrollTo(): It is used to scroll to a particular set of coordinates in the document.
➢ setInterval(): It repeats a given function at every given time interval.
➢ setTimeout(): It executes a function, after waiting a specified number of milliseconds.
➢ stop(): It is used to stop the window from loading resources in the current browsing context.

Syntax: window.method_name;