1. **Documents and Windows:**

**WINDOWS:**

The window is at a root/top level at the JavaScript object hierarchy. It  is a global/root object in JavaScript and it is the root object of the Document object model(DOM  
  
**DOCUMENTS:**

A document is an object inside the window object and we use a document object for manipulation inside the document.

The document object is a property of the window object that points to the DOM document loaded in that window, whereas the window object represents a window or tab holding a DOM document.

Since window is a global object, you can access a document object directly or via the window.document property. The title in the sample below is a document object property.

|  |  |
| --- | --- |
| It represents the document loaded inside the window or browser. | It represents the browser window in which you are seeing the content. |
| The properties related to it are stored in the document object. | The properties related to it are stored in the window object. |
| It is loaded after the loading window because the window contains a document. | It is loaded before the document because window container document. |
| It is the root element of the document object model. | The window is the global element for all objects, functions, etc. |
| It is an object of window. | It is an object of the browser. |
| We can not access windows objects properties inside the document. | We can access document object properties inside the window. |
| logically:  document:{ properties} | logically:      window:{         document:{properties}     } |
| Example: document.title will return the title of the document | Example: window.document.title will return the title of the document. |

**Methods of Document**

The following is a list of the most popular techniques:

**AddEventListener()** is a function that connects an event handler to an element.

**adoptNode()** This function represents the adopted node as a node object and is used to adopt a node from another document.

To close the output stream, use the **close()** function.

**createAttribute()** This function returns the attribute object and is used to create an attribute node with the given name.

**createComment()** This function adds some text to a comment node.

**createDocumentFragment()** is a function that modifies the document's content by creating a document fragment.

To build an HTML element, use the **createElement()** function.

To create a new events object, use the **createEvent()** function.

To build a textnode, use the **createTextNode()** function.

**Document Object**

* [**activeElement**](https://www.geeksforgeeks.org/html-dom-activeelement-property/): It returns the currently active elements in the document.
* [**body**](https://www.geeksforgeeks.org/html-dom-body-property/): It returns the contents of the body element.
* **anchors**: It returns all <a> elements that have a name attribute.
* [**baseURI**](https://www.geeksforgeeks.org/html-dom-baseuri-property/): It returns a string value that represents the base URI of the document.
* [**cookie**](https://www.geeksforgeeks.org/html-dom-cookie-property/): It returns the cookie of the current document.
* [**charSet**](https://www.geeksforgeeks.org/html-dom-script-charset-property/): It returns a string, representing the document’s character encoding.
* [**defaultView**](https://www.geeksforgeeks.org/html-dom-defaultview-property/): It returns the current Window Object.
* [**designMode**](https://www.geeksforgeeks.org/html-dom-designmode-property/): It is used to set documents as editable or read-only.
* [**domain**](https://www.geeksforgeeks.org/html-dom-domain-property/): It returns the domain name of the document server.
* [**doctype**](https://www.geeksforgeeks.org/html-dom-doctype-property/): It returns the document’s doctype.
* **embeds**: It returns the collection of all embedded elements.
* [**URL**](https://www.geeksforgeeks.org/html-dom-url-property/): It returns the complete URL of the document.
* **forms**: It returns all the elements of the form.
* [**fullScreenElement**](https://www.geeksforgeeks.org/html-dom-fullscreenelement-property/): It returns the element that is currently present in full-screen mode.
* [**title**](https://www.geeksforgeeks.org/html-dom-title-property/): It returns the title element of the document.
* [**head**](https://www.geeksforgeeks.org/html-dom-head-property/): It returns the head element of the document.
* **links**: It returns all <area> and <a> elements that have a href attribute.
* [**lastModified**](https://www.geeksforgeeks.org/html-dom-lastmodified-property/): It returns the date and time of the current document that was last modified.
* **images**: It returns the collection of <img> elements in the document.
* [**implementation**](https://www.geeksforgeeks.org/html-dom-implementation-property/): It returns the DOMImplementation object associated with the current document.
* [**readyState**](https://www.geeksforgeeks.org/html-dom-readystate-property/): It returns the loading status of the current document.
* [**referrer**](https://www.geeksforgeeks.org/html-dom-referrer-property/): It returns the URI of the page that is linked to the current page.
* **scripts**: It returns all script elements present in the document.
* [**strictErrorChecking**](https://www.geeksforgeeks.org/html-dom-stricterrorchecking-property/): It sets or returns whether strict error checking can be enforced on a document or not.