* **Write a Blog on the Different Document and Window Object?**

**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.**

**Syntax:**

**document.property\_name;**

**Properties of document:**

* [**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.

**Window Object**

The **window object** represents a window in browser. An object of window is created automatically by the browser.

Window is the object of browser, **it is not the object of javascript**. The javascript objects are string, array, date etc.

The window object **represents an open window in a browser**. If a document contain frames (<iframe> tags), the browser creates one window object for the HTML document, and one additional window object for each frame.

**It represents the browser's window**. All global JavaScript objects, functions, and variables automatically become members of the window object. Global variables are properties of the window object. Global functions are methods of the window object.

**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.

**Syntax:**

window.property\_name;

**Difference between document and window:**

| **document** | **window** |
| --- | --- |
| It represents any HTML document or web page that is loaded in the browser. | It represents a browser window or frame that displays the contents of the webpage. |
| It is loaded inside the window. | It is the very first object that is loaded in the browser. |
| It is the object of window property. | It is the object of the browser. |
| All the tags, elements with attributes in HTML are part of the document. | Global objects, functions, and variables of JavaScript are members of the window object. |
| We can access the document from a window using the window. document | We can access the window from the window only. i.e. window.window |
| The document is part of BOM (browser object model) and dom (Document object model) | The window is part of BOM, not DOM. |
| Properties of document objects such as title, body, cookies, etc can also be accessed by a window like this window. document.title | Properties of the window object cannot be accessed by the document object. |
| syntax:        document.propertyname; | syntax:  window.propertyname; |
| example:       document.title :  will return the title of the document | example:  window.innerHeight : will return the height of the content area of the browser |