***DIFFERENCE BETWEEN OBJECT AND DOCUMENT***

***DOCUMENT***

* The Document constructor creates a new Document object that is a web page loaded in the browser and serving as an entry point into the page's content.
* ***Syntax***: new Document()
* The document object is a property of the window object.
* The document object represents the HTML document loaded in that window.
* 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;
* ***Example code***

console.log(document.getElementsByTagName("h1")[0].textContent);// super cool

console.log(document.getElementsByTagName("p")[0].textContent);//hello world

console.log(document.querySelector("h1").textContent);//super cool

console.log(document.querySelector("p").textContent);// hello world

***WINSDOWS OBJECT***

* The window object is the JavaScript Global object.
* The window object represents the browser window. 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.
* 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;
* The window object has many useful properties like the location object and the setTimeout function.
* Example code

(window.alert("cool page"));

(window.confirm("Are you sure you want to close"));

| **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 |