***DIFFERENCE BETWEEN DOCUMENT AND WINDOW OBJECTS***

**DOM – D**ocument **O**bject **M**odel.

* The way a document content is **accessed & modified** is called Document Object Model.
* The objects are organized in **Hierarchy.**

**WINDOW AND DOCUMENT OBJECT:**

**Window Object:**

* It is the **top** of the hierarchy. It is the **Outermost element** of object.
* The window object represents a **window/tab** containing a DOM document.
* It represents a **browser window or frame** that displays the contents of the webpage.

**Document Object:**

* Each **HTML document** that gets loaded into a window becomes document object. It contains **content** of page.
* It is a **property of window object** that points to the DOM document.
* The document object represent a **web page** that is loaded in the browser. With the help of document objects, we can add **dynamic content** to our web page.

**HOW IT LOOKS:**

Window Object

**Document Object**

**Logically:**

Document: **document: { }**

Window: **window: {**

**document: { }**

**}**

**SYNTAX:**

Window Object: **window.propertyname;**

Document Object: **document.propertyname;** (or) **window.document.propertyname;**

**EXAMPLE:**

1. **window.innerHeight** //will return the height of the content area of the browser.
2. **document.title**//will return the title of the document.

**DIFFERENCE BETWEEN WINDOW & DOCUMENT OBJECT:**

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| --- | --- |
| **DOCUMENT OBJECT** | **WINDOW OBJECT** |
| It represents **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 **document object.** | The properties related to it are stored in **window object.** |
| It is loaded **after window** because window contains a document. | It is loaded **before document** because window contains the document. |
| It is the **root element** of DOM. | Window is **global element** for all objects, functions etc. |
| It is an **object of window.** | It is **object of browser.** |
| We **cannot access window object properties** inside the document. | We **can access document object properties** inside the window. |
| We can access document from a window using **window.document** | We can access the window from the window only using **window.window** |
| **Ex:** document.title // return title of the document | **Ex:** window.innerHeight // will return the height of the content area of the browser. |