19/03/2024 - Tuesday

Write a blog on the difference between document and window objects

The window object and document object are both global objects in JavaScript.

**Document Object:**

The document object represents 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.

It has properties and methods that can be used to access and manipulate the content of the page, such as:

Properties: title, body, head, URL, cookie

Methods: getElementById(), getElementsByTagName(), createElement(), write()

**Syntax:**

document.property\_name;

**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.

It has properties and methods that can be used to interact with the browser, such as:

Properties: location, history, innerWidth, innerHeight, screen

Methods: open(), close(), scrollTo(), alert()

**Syntax:**

window.property\_name;

Here is a table that summarizes the key differences between the window object and the document object:

|  |  |  |
| --- | --- | --- |
| **Property** | **Window Object** | **Document Object** |
| Represents | Browser window | Web page |
| Root of DOM | Yes | No |
| Properties | location, history, innerWidth, innerHeight, screen | title, body, head, URL, cookie |
| Methods | open(), close(), scrollTo(), alert() | getElementById(), getElementsByTagName(), createElement(), write() |