Activities

JavaScript - Day -2 : Request & Response cycle
19/02/2023 - Sunday - 12:00 PM : 2:30 PM

1. Write a blog on the Difference between document & window objects

If you're building web applications, you'll frequently come across the terms "document" and "window" objects. These two objects have unique roles and are essential to web development. In this blog post, we'll dive into the differences between them.

The Document Object: The document object represents the web page that's currently open in the browser. It provides access to the page's content, including the HTML elements, text, and images. You can access the document object through the "window.document" property.

The document object's functions include:

Providing access to the page's content through the DOM (Document Object Model)

Creating and modifying HTML elements and attributes

Providing access to events that occur within the page, such as clicks and form submissions

The Window Object: The window object represents the browser window or tab where the web page is loaded. It provides access to various browser-related functions, such as the browser history, location, and screen properties. The window object is the global object in the browser, which means that any variables or functions declared without the "var" keyword are added to the window object.

The window object's functions include:

Providing access to the document object and other browser objects like the location and history objects

Opening and closing browser windows or tabs

Providing access to the browser's screen properties, such as width and height

Differences between the Document and Window Objects: The main difference between the document and window objects is their scope and functionality. The

document object is a property of the window object and is used to manipulate the content of the web page. The window object provides access to the browser's properties and is used to control the behavior of the browser.

Another key difference between these two objects is their lifespan. The document object is created when the page is loaded and is destroyed when the page is unloaded. The window object, on the other hand, remains in memory throughout the user's interaction with the browser and is only destroyed when the browser is closed.

In conclusion, both the document and window objects are essential to web development and provide unique functionality. The document object is used to manipulate the content of the web page, while the window object provides access to the browser's properties and is used to control the behavior of the browser. Understanding the differences between these two objects is crucial for writing efficient and effective code that performs well in a web environment.