**Different between document and window object**

**Document Object**

The `document` object represents the HTML document loaded in the current browser window. It serves as a gateway to interact with the structure and content of the webpage.

* The `document` object represents the HTML document loaded in the current window.
* It provides methods and properties to manipulate the contents of the document, such as creating, accessing, and modifying elements and their attributes.
* It allows you to interact with the structure and content of the web page, including accessing elements by their IDs, classes, tags, etc.

**Window Object**

The `window` object represents the browser window containing the DOM document. It encapsulates the browser's functionalities and provides a global scope for JavaScript execution.

* The `window` object represents the browser window that contains the DOM document.
* It acts as a global object for the JavaScript code running within the window.
* It provides properties and methods related to the browser window, such as controlling its size, location, history, and navigation.