1. Difference between document and window objects.

1. \*\*Document Object:\*\*

- The `document` object represents the web page itself and provides access to the content and structure of the page.

- It is essentially an interface to the HTML document and allows you to interact with and manipulate the elements and attributes of the page.

- Common tasks performed with the `document` object include selecting and modifying HTML elements, changing the content of elements, adding or removing elements, and handling events.

- Example: `document.getElementById('myElement')` is used to select an HTML element with the specified ID.

2. \*\*Window Object:\*\*

- The `window` object represents the browser window or tab that contains the web page. It is the top-level object in the browser's JavaScript environment.

- It provides properties and methods for managing the browser itself, such as controlling the size and position of the window, opening new windows or tabs, and navigating to different URLs.

- The `window` object also includes properties like `localStorage` and `sessionStorage` for client-side data storage, as well as methods for displaying alerts, confirming actions, and prompting for input.

- Example: `window.open('https://www.example.com')` is used to open a new browser window or tab with the specified URL.