

DIFFERENT BETWEEN DOCUMENT AND WINDOW OBJECT

Document Object:

1. Representation:

- The Document object represents the HTML document loaded in the browser.
- It provides methods for accessing and manipulating the content within the document.
- You can access the document object using window.document or simply document.

2. Purpose:

- The primary purpose of the document object is to interact with the structure and content of the web page.
- It allows you to access and modify elements (such as HTML tags, text, and attributes) within the document.

3. Common Properties:

- Some commonly used properties of the document object include:
 - activeElement: Returns the currently focused element in the document.
 - body: Represents the contents of the <body> element.
 - anchors: Returns all <a> elements with a name attribute.
 - baseURI: Provides the base URI of the document.
 - cookie: Retrieves or sets the document's cookies.
 - title: Represents the title of the document.
 - head: Refers to the <head> element.
 - images: Contains a collection of elements.
 - forms: Holds all form elements.
 - scripts: Contains all script elements.

4. Common Methods:

- Some commonly used methods of the document object include:
 - addEventListener(): Attaches an event handler to a specified element.
 - adoptNode(): Adopts a node from another document.
 - close(): Closes the output stream.
 - createAttribute(): Creates an attribute node.
 - createComment(): Creates a comment node.
 - createDocumentFragment(): Creates a document fragment.

Window Object:

1. Representation:

- The Window object represents the entire browser window or tab.
- It serves as the global object in a browser environment.
- You can access it using window.

2. Scope:

- The window object encompasses not only the document but also other browser-related functionalities.
- It includes properties and methods related to navigation, timing, and interaction.

3. Common Properties:

- Some commonly used properties of the window object include:
 - screen: Provides information about the physical screen dimensions.
 - location: Represents the current URL.
 - history: Manages the browser's navigation history.
 - innerWidth and innerHeight: Give the dimensions of the browser viewport.
 - localStorage and sessionStorage: Allow data storage.

4. Common Methods:

- Some commonly used methods of the window object include:
 - open(): Opens a new browser window or tab.
 - alert(): Displays an alert dialog.
 - setTimeout(): Executes a function after a specified delay.
 - confirm(): Displays a confirmation dialog.

Summary:

- The Document object focuses on representing and manipulating the content within an HTML document.
- The Window object provides a broader scope, encompassing properties, methods, and functionalities related to the entire browser window.
- Both objects play crucial roles in web development, allowing developers to create dynamic and interactive web pages.