1.write a blog on the difference between document and window objects

Ans:

**Document vs. Window Objects in JavaScript**

**Window Object:**

* Represents the browser window and serves as the global object in client-side JavaScript.

Example:

| console.log(window.innerHeight); // Outputs: height of the browser window  window.open('https://example.com', '\_blank'); // Opens a new browser window |
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**Document Object:**

* Represents the HTML document displayed in the browser window and facilitates interaction with its content.

Example:

| console.log(document.getElementById('header')); // Retrieves an element by its ID  document.createElement('div'); // Creates a new HTML element dynamically |
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**Window Object's Scope:**

* Manages global variables, functions, and browser-related functionalities such as opening new windows.

Example:

| alert('Welcome!'); // Displays an alert dialog using the window object |
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**Document Object's Scope:**

* Facilitates access and manipulation of the document's structure and content, enabling dynamic updates.

Example:

| document.getElementById('content').innerHTML = 'New content'; // Changes the content of an element |
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**Conclusion:**

* Understanding the distinctions between the Window and Document objects is crucial for effective web development.
* Utilizing their respective functionalities empowers developers to create interactive and dynamic web experiences.