**Difference Between Document and Window Objects**

**DOCUMENT OBJECT:**

The Document Object represents a web page that is loaded in the

Browser. By accessing the document object,we can access the element in the HTML page.With the help of document objects,we can add dynamic

Content to our web page.

**Syntax:**

Document.property\_name;

**Properties of Document:**

1. activeElement: It returns the currently active elements in the document.
2. Body: It returns the content of the body element.
3. Cookie: It returns the cookie of the current document.
4. Etc lot of properties are there.

**Methods of Document:**

**Syntax:**

Document.method\_name;

1. close(): It is used to close the output stream.
2. createComment(): It is used to create a comment node with some text.
3. createElement(): It is used to create HTML element.
4. renameNode(): It is used to rename the node.
5. Etc lot of methods for document.

**WINDOW OBJECT:**

The window object is the topmost object of the DOM hierarchy. It represents a browser window or frame that displays the contents of the webpage. Whenever a window appears on the screen to display the contents of the document, the window object is created.

**Syntax:**

Window.property\_name;

**Properties of the Window:**

1.Closed: It holds a Boolean value that represents whether the window is closed or not.

2.console: It returns a reference to the console object which provides access to the browser’s debugging console.

3.crypto: It returns the browser crypto object.

4.devicePixelRatio: It returns the ratio between physical pixels and device-independent pixels in the current display.

**Methods of Window:**

**Syntax:**

Window.method\_name;

1.alert(): It is used to display an alert box. It displays a specified message along with an OK button and is generally used to make sure that the information comes through the user.

2.atob(): It is used for decoding a base-64 encoded string. It is used to decode a string of data that has been encoded using the btoa() method.

3.blur(): It is used to remove focus from the current window.

4.btoa(): It is used for encoding a string in base-64 format.

5.clearInterval(): It clears the interval which has been set by the setInterval() function before that.

6.clearTimeout(): It clears the timeout which has been set by the setTimeout()function before that.

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| **Document** | **Window** |
| 1.It represents any HTML document or web page that is loaded in the browser. | 1.It represents a browser window or frame that displays the contents of the webpage. |
| 2.It is the object of window property. | 2.It is the object of the browser. |
| 3.document.propertyname; | 3.window.propertyname; |
| 4.The document is part of BOM (browser object model) and dom (Document object model) | 4.The window is part of BOM, not DOM. |