**Write a blog difference between document and window object?**

web development, there are several differences between a Document and a Window object. These differences mainly concern their structure, behavior, and functions.

**Document Object**:

The Document object represents the structure of a web page. It is a part of the HTML DOM (Document Object Model) tree. It is created when a page is loaded and updated as the user interacts with the page.

**properties and methods of the Document object are**:

document.body: returns the <body> element of the document.

document.getElementById(): returns an element with a specific

id attribute.

document.getElementsByTagName(): returns a collection of elements

with a specific tag name.

**example of Document object**:

**javascript** :

|  |
| --- |
| document.body.style.backgroundColor = "red";  document.getElementById("demo").innerHTML = "Hello World!"; |

**Window Object** :

The Window object represents the browser's window or tab containing the document. It is the top-level JavaScript object and holds references to all other JavaScript objects.

**properties and methods of the Window object are**:

window.innerHeight: returns the height of the browser window's

content area.

window.innerWidth: returns the width of the browser window's

content area.

window.alert(): displays an alert box with a specified message.

window.open(): opens a new browser window.

**example of Window object**:

**javascript :**

|  |
| --- |
| window.alert("Hello World!");  var newWindow = window.open("https://www.example.com", "\_blank"); |

In conclusion, while the Document object is responsible for representing the structure of a web page, the Window object represents the browser's window or tab containing the document. They are interconnected, with the Document object being a part of the Window object's structure.

.**HTML**:

<!DOCTYPE html>

<html>

<head>

<title>Document and Window Objects</title>

</head>

<body>

<h1 id="demo">Welcome to our webpage!</h1>

<button onclick="changeBackground()">Change Background Color</button>

<button onclick="openNewWindow()">Open New Window</button>

</body>

</html>

**JavaScript**:

|  |
| --- |
| function changeBackground() {  document.body.style.backgroundColor = "lightblue";  }  function openNewWindow() {  var newWindow = window.open("https://www.example.com", "\_blank");  } |

"changeBackground" function changes the background color of the webpage by modifying the "style.backgroundColor" property of the Document object's "body" element.

The "openNewWindow" function opens a new browser window by calling the "window.open" method.