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Manipulating Websites Using JS Window Object | JavaScript Tutorial In Hindi #11

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Manipulating Websites Using JS Window Object | JavaScript Tutorial In Hindi #11

We have focused on the basics of JavaScript like arrays, strings, objects, etc. In this tutorial, we will begin to make things happen on the screen, which is one of the main purposes of using JavaScript. Today we will study window object along with its properties and methods.

The Window Object:-

The *window object* represents a window in the browser containing the DOM document. The browser automatically creates a window object. The window is not the object of the JavaScript. It is the object of the browser. A window can be the main window, a frameset, or even a new window created with JavaScript. The developers use the window object to close and open browser window, displaying alert and prompt dialogs.
Window object has many properties and methods. The following are the few properties and methods of window object.

Window Object Properties:-

The window object properties are the variables created inside the window object. We can access the properties of window object by using the syntax:

```
window.propertyname
```

where **property name** is the name of the property.
The following are the most popular window object properties:

Properties	Explanation
width	It specifies the initial width of the browser window.
height	It specifies the initial height of the browser window.

innerWidth   It specifies the initial width of the window content area

innerHeight   It specifies the initial height of the window content area

outerWidth   It specifies the initial width of the navigator window

outerHeight   It specifies the initial height of the navigator window

menubar   It specifies whether the window should contain the browser menubar

location   It specifies whether the window should contain the browser location/URL box

scrollbars   It hides or shows browser horizontal/vertical scrollbars

top   Specified the number of pixels from the top of the screen to the new window

Window Object Methods:-

The window object methods are the functions that are created inside the Window Object. These methods are used to perform various actions on the browser window, such as how it displays a message or gets input from the user.

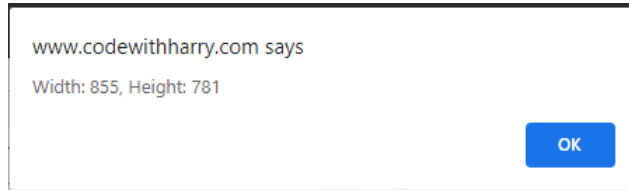Following are the some of the most commonly used window object methods:

Method	Description
alert()	It will display an alert box with a message on the screen
blur()	It will remove focus from the current window
close()	It will close the current window
confirm()	It will display a dialog box with a message on the screen
focus()	It will set the focus to the current window
moveTo()	It will move a window to the specified position
open()	It will open a new browser window
print()	It will print the content of the current window
prompt()	It will display a dialog box that prompts the user for input
resizeBy()	It will resize the window by the specified pixels
resizeTo()	It will resize the window to the specified height and width
scrollBy()	It will scroll the document by the specified number of pixels
scrollTo()	It will scroll the document to the specified coordinates
stop()	It will stop the window from loading

Example:-

In the following example, we will calculate the Width and Height of the Window using window object properties and then show the result on the screen using alert( ). As mentioned in the above table, The window object provides the innerWidth and innerHeight property to determine the width and height of the browser window. Here is an example

```javascript
let a = window.innerWidth;
let b = window.innerHeight;
alert("Width: " + a + ", " + "Height: " + b);
```

Result:-

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Width: 855, Height: 781

OK

Code index.html as described/written in the video

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Tutorial on Js</title>
</head>
<body>
    <h1>This is Js tutorial by Harry</h1>
</body>

<!-- <script src="js/tut2.js"></script> -->
<!-- <script src="js/tut3.js"></script> -->
<!-- <script src="js/tut4.js"></script> -->
<!-- <script src="js/tut5.js"></script> -->
<!-- <script src="js/tut6.js"></script> -->
<!-- <script src="js/tut7.js"></script> -->
<!-- <script src="js/tut8.js"></script> -->
<!-- <script src="js/tut9.js"></script> -->
<!-- <script src="js/tut10.js"></script> -->
<script src="js/tut11.js"></script>
</html>
```

Js code as described/written in the video

```javascript
 console.log('This is tut 11');
let a = window.document;
// alert('hello harry');
// a = prompt('This will destroy your computer. Type your name');

// a = confirm('Are you sure you want to delete this page?');
a = window.innerHeight;
a = innerWidth;
a = scrollY;
a = location.toString();
a = window.history;
console.log(a);
```

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