

Display Possibilities

Overview

This module will cover the ways in which we can print or display data using JavaScript.

JavaScript can "display" data in different ways:

- Writing into an HTML element, using **innerHTML**
- Writing into the HTML output using **document.write()**
- Writing into an alert box, using **window.alert()**
- Writing into the browser console, using **console.log()**

innerHTML

To access an HTML element, JavaScript uses the **document.getElementById()** method.

The **id** attribute defines the HTML element. The **innerHTML** property defines the HTML content of that specific element with that id.

Let's consider a div having an **id = "demo"**, and we want to **display Coding Ninjas** into that div.

```
<html>
<body>
<div id="demo"> </div>
<script>
    document.getElementById("demo").innerHTML = "Coding Ninjas";
</script>
</body>
</html>
```

WebPage Output:
Coding Ninjas

document.write()

For testing purposes, it is convenient to use **document.write()**

```
<html>
<body>

<div id="demo"> Hello World </div>

<script>
    document.write("Coding Ninjas");
</script>

</body>
</html>
```

WebPage Output:

Hello World
Coding Ninjas

- ❖ In the above example, **HTML and the script were loaded parallelly**, but what if **document.write()** is called after the HTML is loaded.

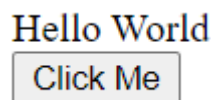
```
<html>
<body>

<div id="demo"> Hello World </div>

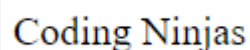
<button type="button" onclick="document.write('Coding Ninjas')">Click Me</button>

</body>
</html>
```

WebPage Before :



WebPage After Clicking on Button :

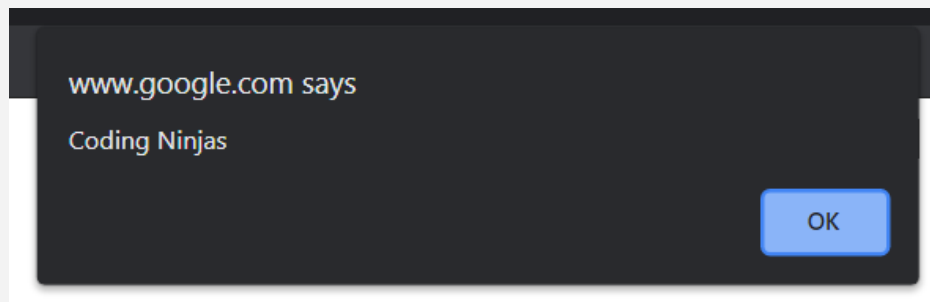


NOTE: Using **document.write()** after an HTML document is loaded, will **delete all existing HTML**

window.alert()

This shows an alert box on the Web page

```
<html>
<body>
<script>
    window.alert("Coding Ninjas");
</script>
</body>
</html>
```



NOTE: We can skip the window keyword, **alert()** can also be used

console.log()

console.log() is most commonly used and also used for debugging.
Prints the data on the console.

```
<script>
    console.log("Coding Ninjas");
</script>
```

Console :
Coding Ninjas

- ❖ document.write() and innerHTML were making changes into Webpage but **console.log() prints the data on the console** and not on the WebPage