

COURSE NAME: O level

SUBJECT: WEB DESIGNING AND PUBLISHING

TOPIC: JavaScript

DATE: 18/05/2020

JavaScript Variables

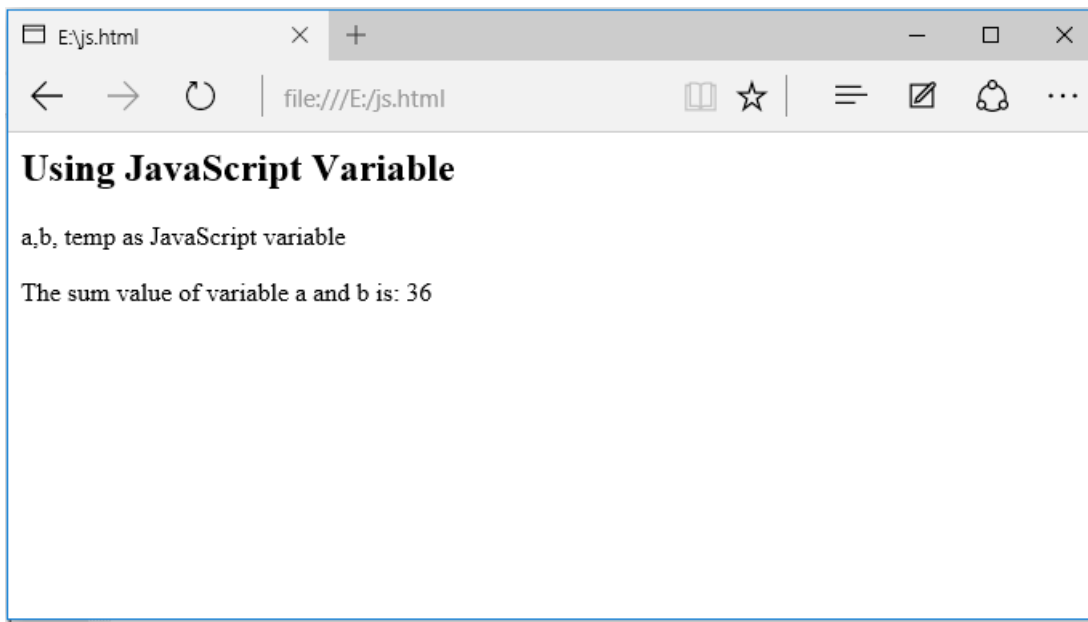
In JavaScript, we may have variables which can be used as containers for storing data values. These variable may further used to display data. A variable in JavaScript can be defined with **var** keyword. For example:

```
var a;  
var temp; var c;  
var temp = a + c;
```

Example

```
<html>  
<body>  
<h2>Using JavaScript Variable</h2>  
<p>a,b, temp as JavaScript variable</p>  
<p id="SUM"></p>  
<script>  
var a = 16;  
var b = 20;  
var temp= a +b;  
document.getElementById("SUM").innerHTML =  
"The sum value of variable a and b is: " +temp;  
</script>  
</body>  
</html>
```

Output



Displaying data to webpages using JavaScript i.e. JavaScript output

It is always desired to display data on the webpages in various form. JavaScript allows users to do the same in various forms. The following properties / commands are used to do so:

- innerHTML property – To write into an HTML element
- document.write() method– To write into the HTML output
- window.alert() method-To write into an alert box
- console.log() method – To write into the browser console

innerHTML property

document.getElementById(id) method of JavaScript is used to access an HTML element.

The '**id**' attribute in the method defines the HTML element. The Content / data to be displayed is specified with **innerHTML** property of **document.getElementById()** method.

```
<html>
```

```
<body>
```

```
<h2>NIELIT</h2>
```

```
<p> Displaying info using JavaScript, using inner.HTML property of ocument.getElementById() method</p>
```

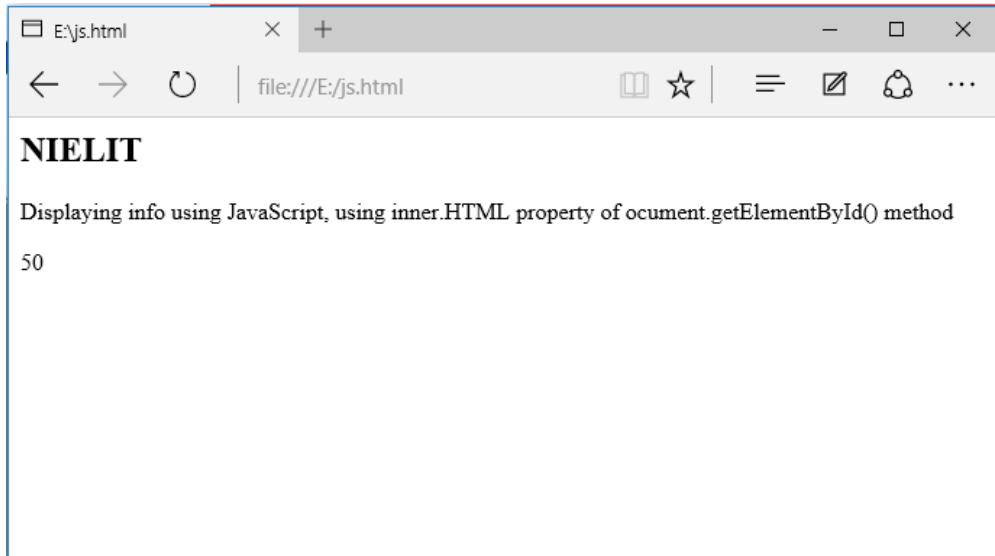
```
<p id="Example1"></p>
```

```
<script>
```

```
document.getElementById("Example1").innerHTML = 20+45-15;
```

```
</script>
</body>
</html>
```

Output

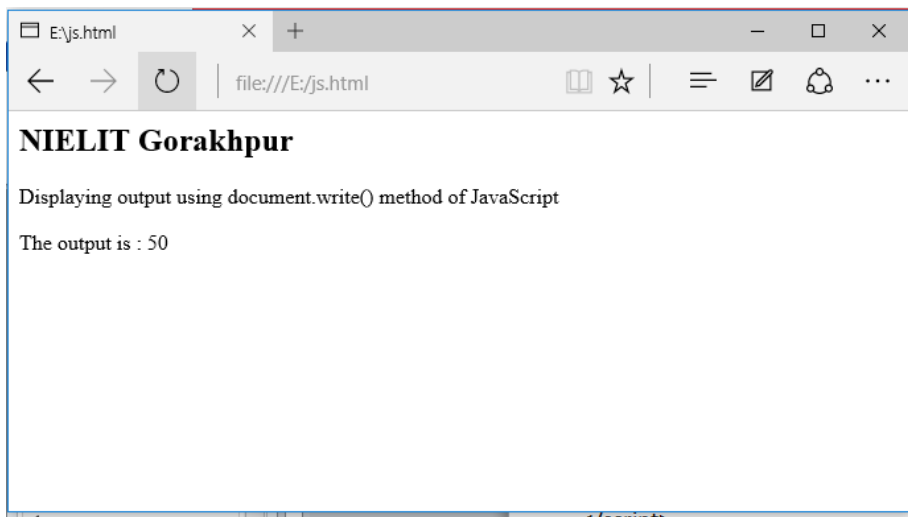


document.write() method

document.write() method is used to display the data onto the webpage. It is to remember that do not call **document.write()** method after the document has finished loading, if so it will overwrite the whole web document.

```
<html>
<body>
<h2>NIELIT Gorakhpur</h2>
<p>Displaying output using document.write() method of JavaScript</p>
<script>
document.write("The output is : ");
document.write(20+45-15);
</script>
</body>
</html>
```

Output

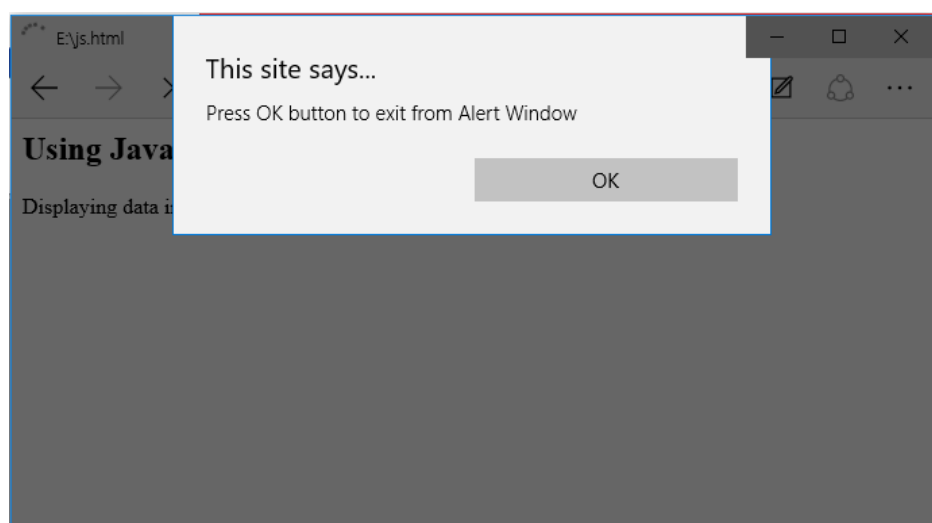


window.alert() method

window.alert() method is used to display an alert box with specified data on the webpage. A small **pop-up box** with a closing button appears, and disappears after the button has been clicked.

```
<html>
<body>
<h2>Using JavaScript Window Alert</h2>
<p>Displaying data in Alert</p>
<script>
window.alert("Press OK button to exit from Alert Window");
</script>
</body>
</html>
```

Output:



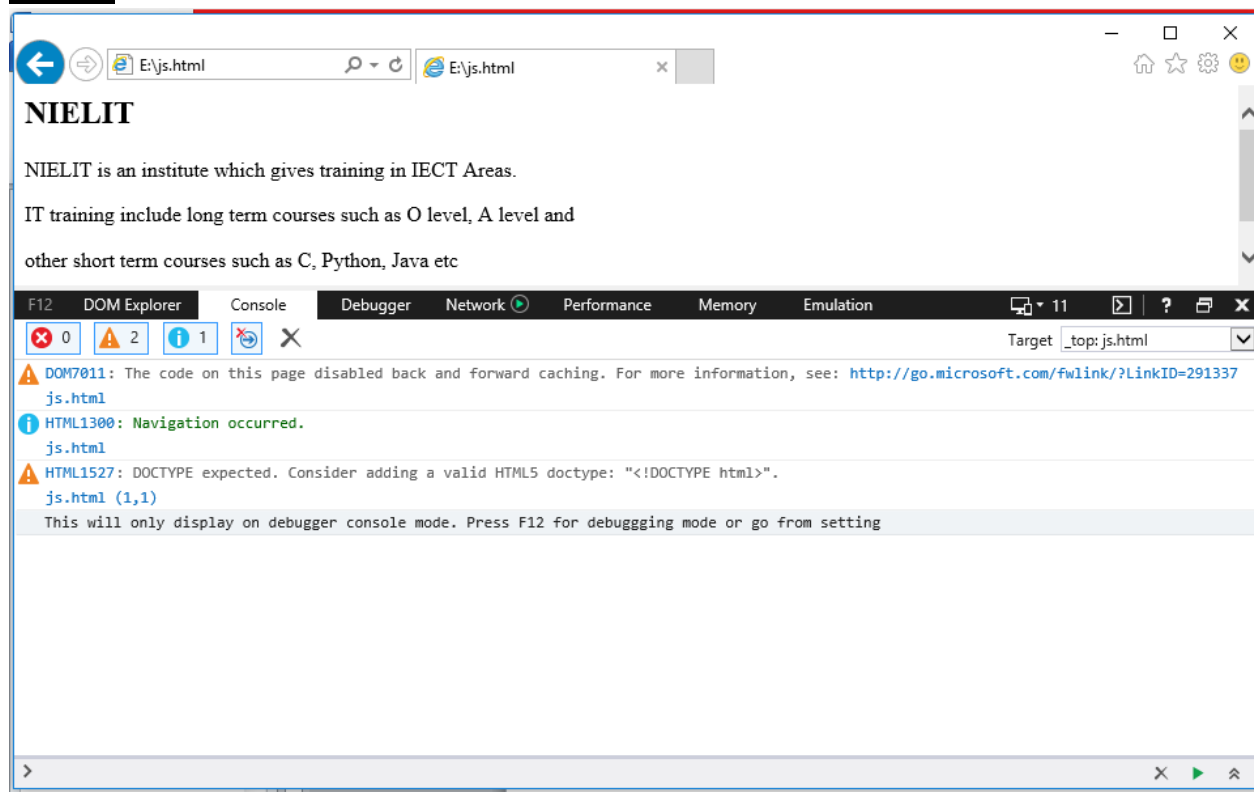
console.log() method

console.log() method is used to display data in the browser. This is mainly used for debugging purposes and the data is displayed only in debugging console mode. This mode can be activated by pressing F12 or through setting options.

```
<html>
<body>
<h2>NIELIT</h2>
<p>NIELIT is an institute which gives training in IECT Areas.</p>
<p>IT training include long term courses such as O level, A level and </p>
<p>other short term courses such as C, Python, Java etc </p>

<p> Press F12 for debuggggng mode or go from setting </p>
<script>
var a="This will only display on debugger console mode. Press F12 for debuggggng
mode or go from setting";
console.log(a)
</script>
</body>
</html>
```

Output



Assignment

1. What are various ways to display output in JavaScript?
2. How the Debugging console mode is activated?