

School of Computer Science Engineering and Technology

Course- BCA

Course Code- CBCA103

Year-1st

Date- 4/11/2022

Type-Core

Course Name- Web Technologies

Semester- 1st

Batch- B1,B2,B3,B4,B5

Lab Assignment No. 5

1.Change HTML Content using Javascript

What Can JavaScript Do?

JavaScript can change HTML content.

Click Me!

What Can JavaScript Do?

Hello JavaScript!

Click Me!

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

```
<p id="demo">JavaScript can change HTML content.</p>
```

```
<button type="button" onclick='document.getElementById("demo").innerHTML = "Hello  
JavaScript!'">Click Me!</button>
```

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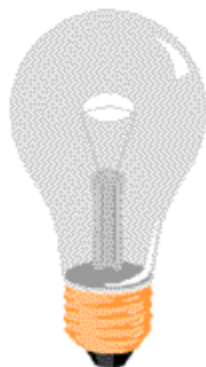
```
</body>  
</html>
```

2.Change HTML attributes using javascript

What Can JavaScript Do?

JavaScript can change HTML attribute values.

In this case JavaScript changes the value of the src (source) attribute of an image.



Turn on the light

Turn off the light

What Can JavaScript Do?

JavaScript can change HTML attribute values.

In this case JavaScript changes the value of the src (source) attribute of an image.



Turn on the light

Turn off the light

```
<!DOCTYPE html>  
<html>  
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

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<p>JavaScript can change HTML attribute values.</p>

<p>In this case JavaScript changes the value of the src (source) attribute of an image.</p>

<button onclick="document.getElementById('myImage').src='pic_bulbon.gif'">Turn on the light</button>

<button onclick="document.getElementById('myImage').src='pic_bulboff.gif'">Turn off the light</button>

</body>

</html>

3.Change the style of an HTML element using javascript

What Can JavaScript Do?

JavaScript can change the style of an HTML element.

Click Me!

What Can JavaScript Do?

JavaScript can change the style of an HTML element.

Click Me!

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4.Hide HTML elements using javascripts

What Can JavaScript Do?

JavaScript can hide HTML elements.

Click Me!

What Can JavaScript Do?

Click Me!

```
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p id="demo">JavaScript can hide HTML elements.</p>

<button type="button" onclick="document.getElementById('demo').style.display='none'">Click
Me!</button>

</body>
</html>
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p id="demo">JavaScript can change the style of an HTML element.</p>

<button type="button"
onclick="document.getElementById('demo').style.fontSize='35px'">Click Me!</button>

</body>
</html>
```

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5.Show hidden HTML elements using Javascript

What Can JavaScript Do?

JavaScript can show hidden HTML elements.

Click Me!

What Can JavaScript Do?

JavaScript can show hidden HTML elements.

Hello JavaScript!

Click Me!

```
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p>JavaScript can show hidden HTML elements.</p>

<p id="demo" style="display:none">Hello JavaScript!</p>

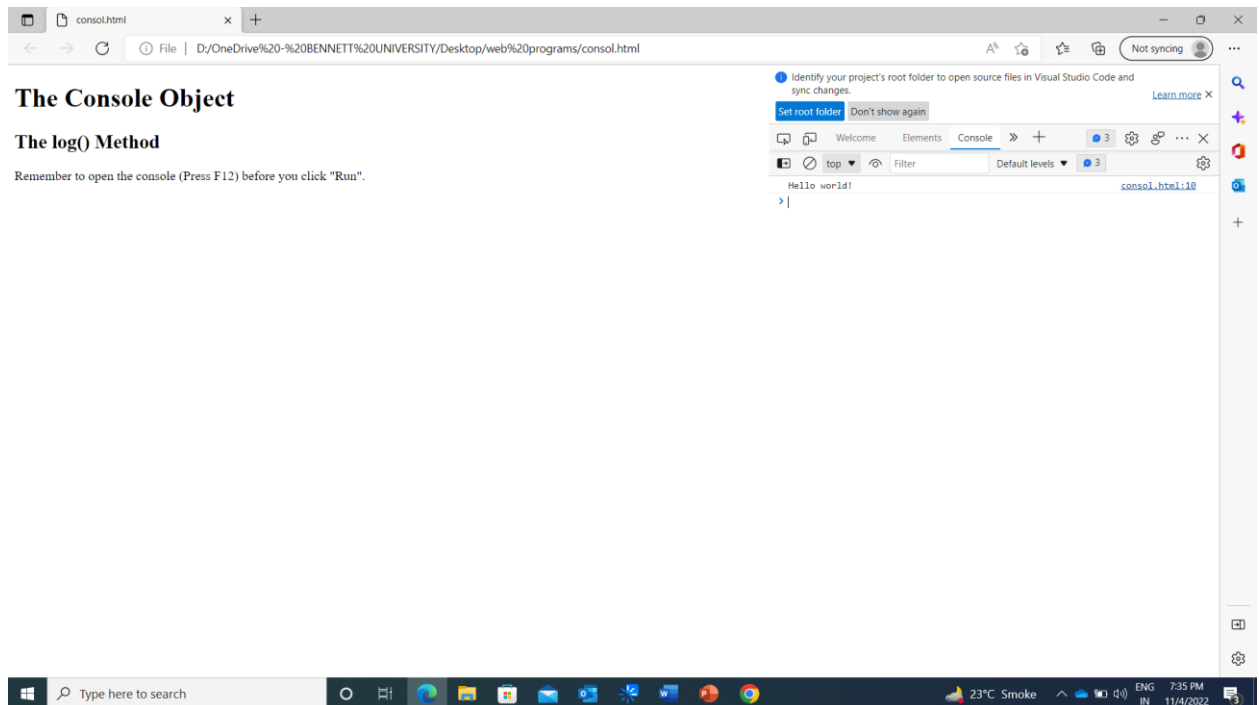
<button type="button"
onclick="document.getElementById('demo').style.display='block'">Click Me!</button>

</body>
</html>
```

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Javascript program to print “Hello World” through:

- `console.log()`
- `alert()`
- `document.write()`



```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>The Console Object</h1>
```

```
<h2>The log() Method</h2>
```

```
<p>Remember to open the console (Press F12) before you click "Run".</p>
```

```
<script>
```

```
console.log("Hello world!");
```

```
</script>
```

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</body>

</html>

The Document Object

The write() Method

Write some text directly to the HTML output:

Hello World!

The Lorem Ipsum Passage

This is Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>The Document Object</h1>
```

```
<h2>The write() Method</h2>
```

```
<p>Write some text directly to the HTML output:</p>
```

```
<script>
```

```
document.write("Hello World!");
```

```
</script>
```

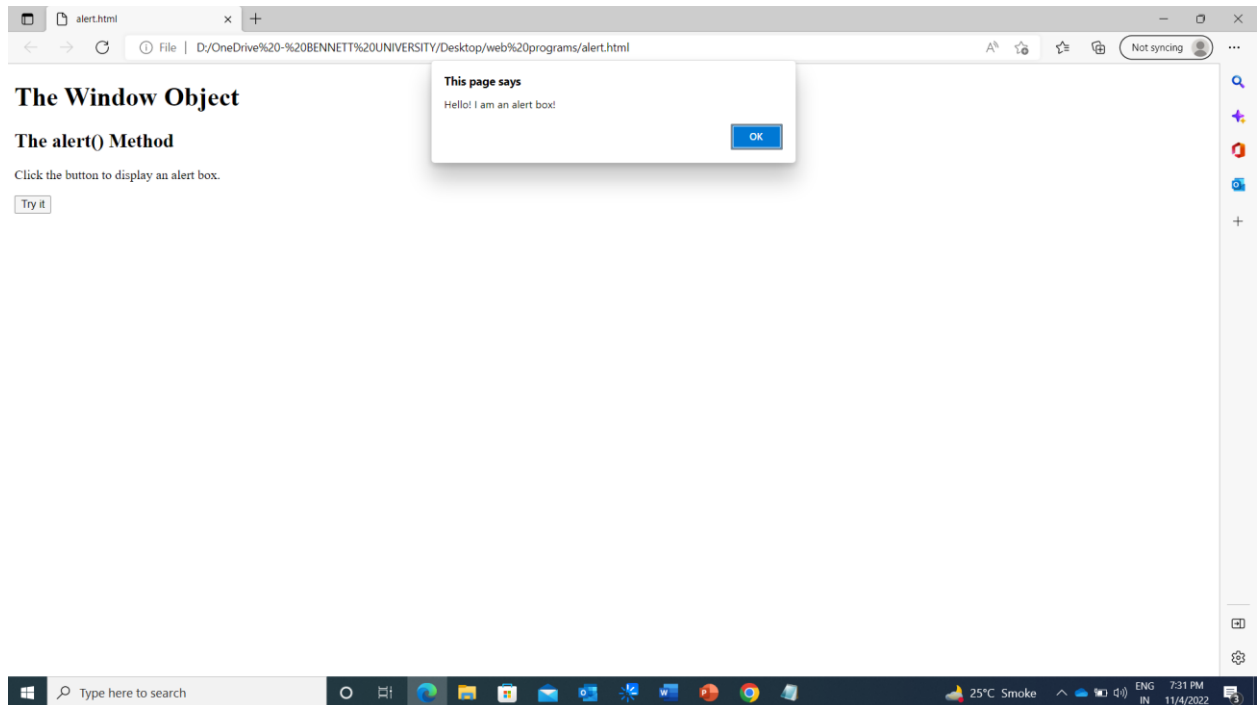
```
<h2>The Lorem Ipsum Passage</h2>
```

```
<p>This is Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
```

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</body>

</html>



<!DOCTYPE html>

<html>

<body>

<h1>The Window Object</h1>

<h2>The alert() Method</h2>

<p>Click the button to display an alert box.</p>

<button onclick="myFunction()">Try it</button>

<script>

```
function myFunction() {  
    alert("Hello! I am an alert box!");  
}
```


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</script>

</body>

</html>

Javascript programme to add two numbers

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Arithmetic</h2>

<p>A typical arithmetic operation takes two numbers (or variables) and produces a new number.</p>

<p id="demo"></p>

<script>

let a = 100;

let b = 50;

let x = a + b;

document.getElementById("demo").innerHTML = x;

</script>

</body>

</html>

Javascript program to multiple two numbers using function

<!DOCTYPE html>

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```
<html>
```

```
<body>
```

```
<h2>JavaScript Functions</h2>
```

```
<p>This example calls a function which performs a calculation and returns the result:</p>
```

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

```
<script>
```

```
var x = myFunction(4, 3);
```

```
document.getElementById("demo").innerHTML = x;
```

```
function myFunction(a, b) {
```

```
    return a * b;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

Javascript program to convert from Fahrenheit to Celsius

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Functions</h2>
```

```
<p>This example calls a function to convert from Fahrenheit to Celsius:</p>
```

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

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```
<script>

function toCelsius(f) {
    return (5/9) * (f-32);
}

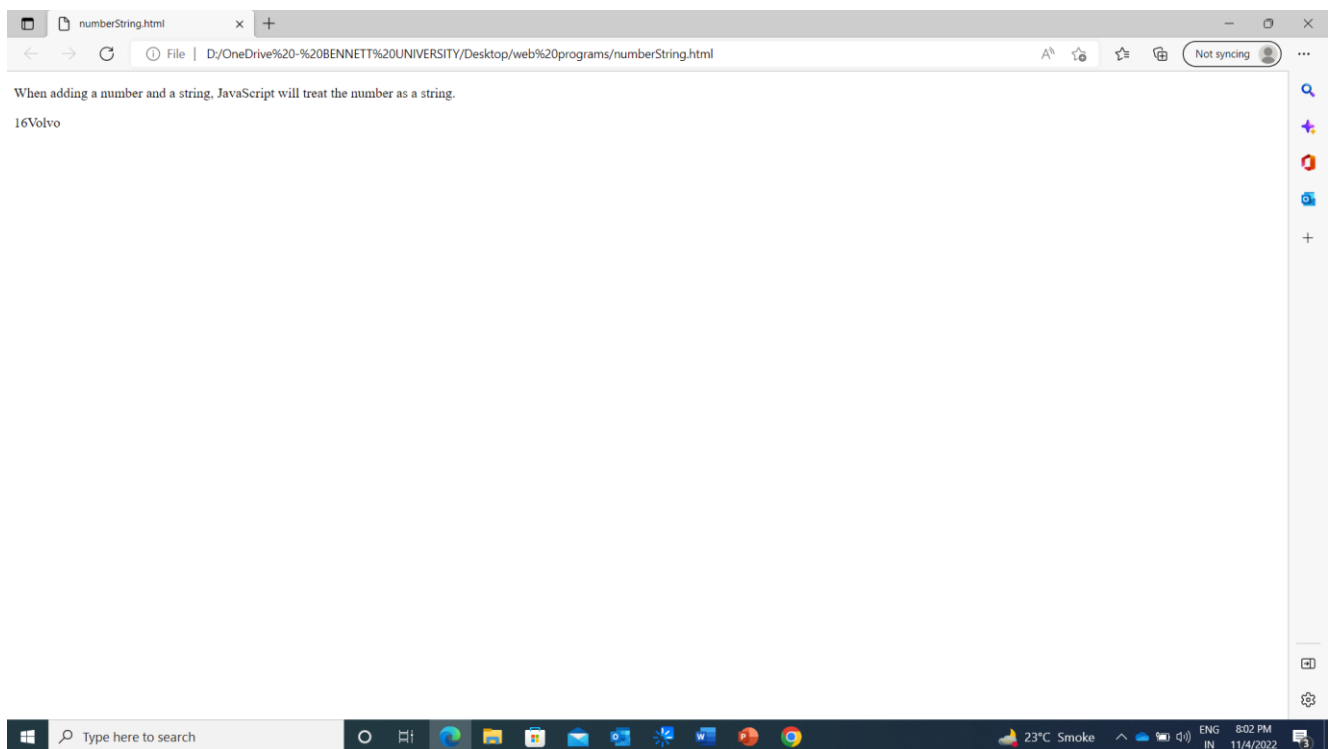
document.getElementById("demo").innerHTML = toCelsius(77);

</script>

</body>

</html>
```

When adding a number and a string, (JavaScript will treat the number as a string.)



```
<!DOCTYPE html>

<html>

<body>

<p>When adding a number and a string, JavaScript will treat the number as a string.</p>

<p id="demo"></p>

<script>
```

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```
var x = 16 + "Volvo";  
document.getElementById("demo").innerHTML = x;  
</script>  
</body>  
</html>
```

JavaScript Program to Calculate the Area of a Triangle

JavaScript Program to Find the Factorial of a Number