

The Apollo University

The Apollo Knowledge City Campus,
Saketa, Murukambattu - Post, Chittoor - District,
Andhra Pradesh - State, India - 517127.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Programme : B.Tech CSE

Year / Semester : III/V Section: CSE A & B

Course Name : Full Stack Web Development Course Code : BTCL3501

Faculty Name(s) and Designation : Dr. Stephen Dass.A , Assistant Professor

Worksheet-4

Date: 19-08-2025 & 20-08-2025

Full Stack Web Development Practice Worksheet HTML, CSS Basics & Javascript basic

```
<!DOCTYPE html>
<html>
<head>
<style>
    body { text-align: center; padding: 20px; }
    button { padding: 10px; background: blue; color: white;
border: none; border-radius: 5px; }
</style>
</head>
<body>
    <h2>Click Button to Change Background</h2>
    <button onclick="changeColor()">Change Color</button>

    <script>
        function changeColor() {
            document.body.style.backgroundColor = "lightgreen";
        }
    </script>
</body>
</html>
```

Q2:

```
<!DOCTYPE html>
<html>
<head>
    <style>
        #msg { display: none; color: blue; font-weight: bold; }
    </style>
</head>
<body>
    <button
        onclick="document.getElementById('msg').style.display='block'">Show</button>
    <button
        onclick="document.getElementById('msg').style.display='none'">Hide</button>
    <p id="msg">Hello, I am now visible!</p>
</body>
</html>
```

```
+  
<!DOCTYPE html>  
<html>  
<head>  
    <style>  
        input { margin: 5px; }  
    </style>  
</head>  
<body>  
    <h2>Addition Calculator</h2>  
    <input type="number" id="num1"> +  
    <input type="number" id="num2">  
    <button onclick="add()">= </button>  
    <span id="result"></span>  
  
    <script>  
        function add() {  
            let a =  
                parseInt(document.getElementById("num1").value);  
            let b =  
                parseInt(document.getElementById("num2").value);  
            document.getElementById("result").innerHTML = a + b;  
        }  
    </script>  
</body>  
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <style>
        p { font-size: 20px; color: green; }
    </style>
</head>
<body>
    <p id="text">Original Text</p>
    <button
        onclick="document.getElementById('text').innerHTML='Text
Changed! '">Change Text</button>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <style>
        img { width: 200px; height: 150px; }
    </style>
</head>
<body>
    <h2>Click to Change Image</h2>
    
    <br><br>
    <button
        onclick="document.getElementById('myImg').src='https://via.placeholder.com/200x150?text=Image2'">Change Image</button>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
    input { margin: 5px; }
    .error { color: red; }
</style>
</head>
<body>
<h2>Form Validation</h2>
<input type="text" id="name" placeholder="Enter name">
<button onclick="validate()">Submit</button>
<p id="msg" class="error"></p>

<script>
    function validate() {
        let name = document.getElementById("name").value;
        if (name === "") {
            document.getElementById("msg").innerHTML = "Name is required!";
        } else {
            document.getElementById("msg").innerHTML =
"Submitted Successfully!";
        }
    }
</script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <style>
        #clock { font-size: 24px; font-weight: bold; color: blue; }
    </style>
</head>
<body>
    <h2>Digital Clock</h2>
    <div id="clock"></div>

    <script>
        +
        function showTime() {
            let time = new Date().toLocaleTimeString();
            document.getElementById("clock").innerHTML = time;
        }
        setInterval(showTime, 1000);
    </script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
#box { width: 150px; height: 150px; background: gray; }
</style>
</head>
<body>
<h2>Hover to Change Color</h2>
<div id="box" onmouseover="this.style.background='red'">
<span>+</span>
<div id="box" onmouseout="this.style.background='gray'"></div>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
    table, td { border: 1px solid black; border-collapse: collapse; padding: 5px; }
</style>
</head>
<body>
    <h2>Multiplication Table of 5</h2>
    <table id="table"></table>

    <script>
        let tbl = "";
        for (let i = 1; i <= 10; i++) {
            tbl += "<tr><td>5 x " + i + " = " + (5*i) + "</td></tr>";
        }
        document.getElementById("table").innerHTML = tbl;
    </script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <style>
        button { padding: 10px; border: none; background:
purple; color: white; }
    </style>
</head>
<body>
    <h2>Random Background Color</h2>
    <button onclick="changeColor()">Click Me</button>

    <script>
        function changeColor() {
            let colors = ["red", "blue", "green", "yellow",
"pink", "orange"];
            let random = colors[Math.floor(Math.random() *
colors.length)];
            document.body.style.backgroundColor = random;
        }
    </script>
</body>
</html>
```