

WEB TECH LAB-5

MAYANK BHARTI
22CS3039
BRANCH-CSE

1)

```
123.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Dynamic Text Replacement</title>
8      <style>
9          body {
10             font-family: Arial, sans-serif;
11             text-align: center;
12             margin-top: 50px;
13         }
14
15         #word {
16             font-size: 24px;
17             margin-bottom: 20px;
18             transition: transform 0.5s ease-in-out;
19         }
20     </style>
21 </head>
22
23 <body>
24     <h2 id="word">Hello</h2>
25     <input type="text" id="textInput" placeholder="Type a word or phrase">
26     <button onclick="replaceWord()">Replace</button>
27
28     <script>
29         function replaceWord() {
30             var inputText = document.getElementById("textInput").value;
31             var wordElement = document.getElementById("word");
32             wordElement.textContent = inputText;
```

```
28 </script>
29 function replaceWord() {
30     var inputText = document.getElementById("textInput").value;
31     var wordElement = document.getElementById("word");
32     wordElement.textContent = inputText;
33     wordElement.style.transform = "rotateY(360deg)";
34     setTimeout(function() {
35         wordElement.style.transform = "rotateY(0deg)";
36     }, 500); // Reset the rotation after 0.5 seconds
37 }
38 </script>
39 </body>
40
41 </html>
```

mayank

2)

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  <title>Increment Counter</title>
7  <style>
8      body {
9          font-family: Arial, sans-serif;
10         text-align: center;
11         margin-top: 50px;
12     }
13
14     #count {
15         font-size: 16px;
16         transition: font-size 0.2s;
17     }
18 </style>
19 </head>
20 <body>
21     <button onclick="incrementCounter()">Increment</button>
22     <p id="count">0</p>
23
24     <script>
25         var count = 0;
26
27         function incrementCounter() {
28             count++;
29             var countElement = document.getElementById("count");
30             countElement.textContent = count;
31             countElement.style.fontSize = count + "px";
32         }
33
34     </script>
35 </body>
</html>
```

Increment

40

3)

Increment

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  <title>Increment Counter</title>
7  <style>
8      body {
9          font-family: Arial, sans-serif;
10         text-align: center;
11         margin-top: 50px;
12     }
13
14     #countList {
15         list-style-type: none;
16         padding: 0;
17     }
18
19     #countList li {
20         font-size: 16px;
21         transition: font-size 0.2s;
22     }
23 </style>
24 </head>
25 <body>
26     <button onclick="incrementCounter()">Increment</button>
27     <ul id="countList"></ul>
28
29     <script>
30         var count = 0;
31
32         function incrementCounter() {

```

```

29     <script>
30         var count = 0;
31
32         function incrementCounter() {
33             count++;
34             var countList = document.getElementById("countList");
35             var newItem = document.createElement("li");
36             newItem.textContent = count;
37             newItem.style.fontSize = count + "px";
38             countList.appendChild(newItem);
39         }
40     </script>
41 </body>
42 </html>

```

4)

Row Sum

1 1

2 1

3 2

4 3

5 5

Add Row

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Add Rows to Table</title>
8  </head>
9
10 <body>
11     <table id="myTable">
12         <thead>
13             <tr>
14                 <th>Row</th>
15                 <th>Sum</th>
16             </tr>
17         </thead>
18         <tbody>
19             <tr>
20                 <td>1</td>
21                 <td>1</td>
22             </tr>
23             <tr>
24                 <td>2</td>
25                 <td>1</td>
26             </tr>
27         </tbody>
28     </table>
29     <button onclick="addRow()">Add Row</button>
30
31     <script>
32         function addRow() {
```

Ln 53, Col 8 Spaces: 4 UTF-8 CRLF { } HTML

```

26     </tr>
27   </tbody>
28 </table>
29 <button onclick="addRow()">Add Row</button>
30
31 <script>
32   function addRow() {
33     var table = document.getElementById("myTable").getElementsByTagName('tbody')[0];
34     var rows = table.getElementsByTagName("tr");
35     var lastRow = rows[rows.length - 1];
36     var prevRow = lastRow.previousElementSibling;
37
38     // Check if the previous row is the table header
39     if (prevRow.tagName !== "TR") {
40       prevRow = lastRow;
41     }
42
43     var sum = parseInt(lastRow.lastElementChild.innerText) + parseInt(prevRow.lastElementChild.innerText)
44
45     var newRow = document.createElement("tr");
46     var rowNumber = rows.length + 1;
47     newRow.innerHTML = "<td>" + rowNumber + "</td><td>" + sum + "</td>";
48     table.appendChild(newRow);
49   }
50 </script>
51 </body>
52
53 </html>

```

5)

39	56
+	-
Result: 95	

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Calculator</title>
7 </head>
8 <body>
9 <input type="text" id="input1">
10 <input type="text" id="input2"><br>
11 <button onclick="calculate('+')">+</button>
12 <button onclick="calculate('-')">-</button>
13 <button onclick="calculate('.')">.</button>
14 <button onclick="calculate('/')">/</button><br>
15 <div id="result"></div>
16
17 <script>
18 function calculate(operator) {
19     var input1 = Number.parseInt(document.getElementById("input1").value);
20     var input2 = Number.parseInt(document.getElementById("input2").value);
21     var result;
22
23     switch (operator) {
24     case '+':
25         result = input1 + input2;
26         break;
27     case '-':
28         result = input1 - input2;
29         break;
30     case '*':
31         result = input1 * input2;
32         break;
```

Ln 49, Col 8 Spaces: 4 UTF-8 CRLF


```

26         break;
27     case '-':
28         result = input1 - input2;
29         break;
30     case '*':
31         result = input1 * input2;
32         break;
33     case '/':
34         if (input2 !== 0) {
35             result = input1 / input2;
36         } else {
37             result = "Error: Division by zero";
38         }
39         break;
40     default:
41         result = "Error: Invalid operator";
42         break;
43     }
44
45     document.getElementById("result").textContent = "Result: " + result;
46 }
47 </script>
48 </body>
49 </html>

```

7)

Tip Calculator

Bill Amount

Tip Percentage

15% Number of People

123.html > html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Tip Calculator</title>
7      <style>
8          body {
9              font-family: Arial, sans-serif;
10             display: flex;
11             align-items: center;
12             justify-content: center;
13             height: 100vh;
14             margin: 0;
15         }
16
17         #tip-calculator {
18             text-align: center;
19             max-width: 400px;
20             width: 100%;
21         }
22
23         input, select {
24             margin-bottom: 10px;
25             padding: 10px;
26             width: 100%;
27             box-sizing: border-box;
28         }
29
30         button {
31             padding: 10px;
32             background-color: #4CAF50;
```

Ln 93, Col 8 Spaces: 4 UTF-8 CR LF { } HTML

```
30     button {
31         padding: 10px;
32         background-color: #4CAF50;
33         color: white;
34         border: none;
35         cursor: pointer;
36         width: 100%;
37     }
38
39     #tip-result {
40         margin-top: 20px;
41         font-size: 1.2em;
42     }
43 </style>
44 </head>
45 <body>
46     <div id="tip-calculator">
47         <h2>Tip Calculator</h2>
48         <label for="billAmount">Bill Amount</label>
49         <input type="number" id="billAmount" placeholder="Enter bill amount">
50
51         <label for="tipPercentage">Tip Percentage</label>
52         <input type="range" id="tipPercentage" min="0" max="30" step="1" value="15">
53         <span id="tipPercentageValue">15%</span>
54
55         <label for="numPeople">Number of People</label>
56         <select id="numPeople">
57             <option value="1">1 person</option>
58             <option value="2">2 people</option>
59             <option value="3">3 people</option>
60             <option value="4">4 people</option>
61         </select>
```

```

59     <option value="3">3 people</option>
60     <option value="4">4 people</option>
61 </select>
62
63     <button onclick="calculateTip()">Calculate Tip</button>
64
65     <div id="tip-result"></div>
66 </div>
67
68 <script>
69     function calculateTip() {
70         // Get values from inputs
71         var billAmount = parseFloat(document.getElementById('billAmount').value);
72         var tipPercentage = parseInt(document.getElementById('tipPercentage').value);
73         var numPeople = parseInt(document.getElementById('numPeople').value);
74
75         // Calculate tip
76         var tipAmount = (billAmount * tipPercentage) / 100;
77         var totalAmount = billAmount + tipAmount;
78         var tipPerPerson = tipAmount / numPeople;
79
80         // Display the result
81         var resultMessage = Tip: ${tipAmount.toFixed(2)}<br>;
82         resultMessage += Total Amount: ${totalAmount.toFixed(2)}<br>;
83         resultMessage += Tip per Person: ${tipPerPerson.toFixed(2)};
84
85         document.getElementById('tip-result').innerHTML = resultMessage;
86     }
87
88     document.getElementById('tipPercentage').addEventListener('input', function() {
89         document.getElementById('tipPercentageValue').innerText = this.value + '%';
90     });

```

Ln 93, Col 8 Spaces: 4 UTF-8 CRLF { HTML Port: 5500

```

91     var resultMessage = Tip: ${tipAmount.toFixed(2)}<br>;
92     resultMessage += Total Amount: ${totalAmount.toFixed(2)}<br>;
93     resultMessage += Tip per Person: ${tipPerPerson.toFixed(2)};
94
95     document.getElementById('tip-result').innerHTML = resultMessage;
96 }
97
98 document.getElementById('tipPercentage').addEventListener('input', function() {
99     document.getElementById('tipPercentageValue').innerText = this.value + '%';
100 });
101 </script>
102 </body>
103 </html>

```

6)

[Click Here](#)

I AM MAYANK BHARTI

THERE IS LIST OF ITEMS BELOW PARAGRAPH

- I. Item 1
- II. Item 2
- III. Item 3

```
<> 123.html > html > body > script > makePage
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <style>
5  .container {
6      display: flex;
7      flex-direction: column;
8      align-items: left;
9      padding: 20px;
10 }
11 .card {
12     background-color: #f0f0f0d3;
13     border-radius: 10px;
14     box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
15     margin: 10px;
16     padding: 30px;
17     width: 300px;
18     text-align: left;
19 }
20 </style>
21 </head>
22 <body>
23     <button onclick="makePage();">Click Here</button>
24 <script>
25     // Function to convert number to Roman numeral
26     function toRoman(num) {
27         const romanNumerals = [
28             { value: 1000, numeral: 'M' },
29             { value: 900, numeral: 'CM' },
30             { value: 500, numeral: 'D' },
31             { value: 400, numeral: 'CD' },
32             { value: 100, numeral: 'C' },
```

```
30     { value: 500, numeral: 'D' },
31     { value: 400, numeral: 'CD' },
32     { value: 100, numeral: 'C' },
33     { value: 90, numeral: 'XC' },
34     { value: 50, numeral: 'L' },
35     { value: 40, numeral: 'XL' },
36     { value: 10, numeral: 'X' },
37     { value: 9, numeral: 'IX' },
38     { value: 5, numeral: 'V' },
39     { value: 4, numeral: 'IV' },
40     { value: 1, numeral: 'I' }
41 ];
42
43 let result = '';
44 for (let i = 0; i < romanNumerals.length; i++) {
45     while (num >= romanNumerals[i].value) {
46         result += romanNumerals[i].numeral;
47         num -= romanNumerals[i].value;
48     }
49 }
50 return result;
51 }
52
53 function makePage() {
54     // Create container div
55     var container = document.createElement('div');
56     container.className = 'container';
57
58     // Create header and paragraph
```

```
57
58 // Create header and paragraph
59 var header = document.createElement('h1');
60 header.textContent = 'I AM MAYANK BHARTI';
61 var paragraph = document.createElement('p');
62 paragraph.textContent = 'THERE IS LIST OF ITEMS BELOW PARAGRAPH';
63
64 // Create first list with Roman numerals
65 var list1 = document.createElement('ol');
66 list1.style.listStyleType = 'none'; // Remove default numbering
67 for (let i = 1; i <= 3; i++) {
68     var li = document.createElement('li');
69     li.textContent = toRoman(i) + '. Item ' + i;
70     list1.appendChild(li);
71 }
72
73
74 // Append elements to container
75 container.appendChild(header);
76 container.appendChild(paragraph);
77 container.appendChild(list1);
78
79 // Append container to body
80 document.body.appendChild(container);
81 }
82 </script>
83 </body>
84 </html>
85
```