

Web Tech Lab – 05

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Branch – Mathematics and Computing

T1 :

Hello

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Text Spinner</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  h2 {
    transition: transform 0.5s ease-in-out;
  }
  .spin {
    animation: spin 1s infinite linear;
  }
  @keyframes spin {
    from {
      transform: rotate(0deg);
    }
    to {
      transform: rotate(360deg);
    }
  }
}
```

```

</style>
</head>
<body>
<h2 id="output">Hello</h2>
<input type="text" id="textInput" placeholder="Type a word or phrase">
<button onclick="changeText()">Change Text</button>

<script>
  function changeText() {
    var input = document.getElementById('textInput').value;
    document.getElementById('output').textContent = input;
    document.getElementById('output').classList.add('spin');
    setTimeout(function(){
      document.getElementById('output').classList.remove('spin');
    }, 1000);
  }
</script>
</body>
</html>

```

T2 :

7

Increment

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Counter</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  #count {
    font-size: 24px;
    transition: font-size 0.3s ease-in-out;
  }

```

```
    }  
</style>  
</head>  
<body>  
<p id="count">0</p>  
<button onclick="incrementCount()">Increment</button>  
  
<script>  
    var count = 0;  
    var countParagraph = document.getElementById('count');  
  
    function incrementCount() {  
        count++;  
        countParagraph.textContent = count;  
        updateFontSize();  
    }  
  
    function updateFontSize() {  
        // Increase font size as count gets larger  
        var fontSize = 24 + count * 2; // Adjust the multiplier for faster or  
        slower font size increase  
        countParagraph.style.fontSize = fontSize + 'px';  
    }  
</script>  
</body>  
</html>
```

T3:

1
2
3
4
5
6
7
8

Increment

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Counter with List</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  #countList {
    list-style-type: none;
    padding: 0;
  }
  #countList li {
    font-size: 24px;
    transition: font-size 0.3s ease-in-out;
  }
</style>
</head>
<body>
<ul id="countList"></ul>
```

```

<button onclick="incrementCount()">Increment</button>

<script>
  var count = 0;
  var countList = document.getElementById('countList');

  function incrementCount() {
    count++;
    var listItem = document.createElement('li');
    listItem.textContent = count;
    countList.appendChild(listItem);
    updateFontSize(listItem);
  }

  function updateFontSize(listItem) {
    // Increase font size as count gets larger
    var fontSize = 24 + count * 2; // Adjust the multiplier for faster or
    slower font size increase
    listItem.style.fontSize = fontSize + 'px';
  }
</script>
</body>
</html>

```

T4 :

Number 1	Number 2	Sum
1	1	2
1	2	3
1	2	2
2	3	3

Add Row

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Add Rows with Sum</title>
<style>
  table {
    border-collapse: collapse;
    width: 100%;
  }
  th, td {
    border: 1px solid black;

```

```

        padding: 8px;
        text-align: center;
    }
</style>
</head>
<body>
<table id="myTable">
    <tr>
        <th>Number 1</th>
        <th>Number 2</th>
        <th>Sum</th>
    </tr>
    <tr>
        <td>1</td>
        <td>1</td>
        <td>2</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
    </tr>
</table>
<button onclick="addRow()">Add Row</button>

<script>
    function addRow() {
        var table = document.getElementById("myTable");
        var rows = table.getElementsByTagName("tr");
        var lastRow = rows[rows.length - 1];
        var prevRow = lastRow.previousSibling.previousSibling; // Skip the
table header row and go to the last data row
        var num1 = parseInt(prevRow.children[0].innerText);
        var num2 = parseInt(prevRow.children[1].innerText);
        var sum = num1 + num2;

        var newRow = table.insertRow(-1);
        var cell1 = newRow.insertCell(0);
        var cell2 = newRow.insertCell(1);
        var cell3 = newRow.insertCell(2);
        cell1.innerText = num2;
        cell2.innerText = sum;
        cell3.innerText = num1 + num2;
    }
</script>
</body>
</html>

```

T5:

45	157		
+	-	*	/
Result: 7065			

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Calclator</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  input[type="text"] {
    padding: 8px;
    margin: 5px;
  }
  button {
    padding: 10px 20px;
    margin: 5px;
    font-size: 16px;
    cursor: pointer;
  }
  #result {
    margin-top: 10px;
  }
</style>
</head>
<body>
<input type="text" id="num1" placeholder="Enter a number">
<input type="text" id="num2" placeholder="Enter another number">
<br>
<button onclick="calculate('+')">+</button>
<button onclick="calculate('-')">-</button>
<button onclick="calculate('*')">*</button>
<button onclick="calculate('/')">/</button>
<div id="result"></div>
```

```
<script>
  function calculate(operation) {
    var num1 = Number.parseInt(document.getElementById('num1').value);
    var num2 = Number.parseInt(document.getElementById('num2').value);
    var result;

    switch (operation) {
      case '+':
        result = num1 + num2;
        break;
      case '-':
        result = num1 - num2;
        break;
      case '*':
        result = num1 * num2;
        break;
      case '/':
        result = num1 / num2;
        break;
      default:
        result = 'Invalid operation';
    }

    document.getElementById('result').textContent = 'Result: ' + result;
  }
</script>
</body>
</html>
```

T7:

Tip Calculator

Total Bill Amount (\$):

Tip Percentage (%):

Number of People:

Calculate Tip

Total Tip Amount: \$113.40

Total Amount to Pay: \$680.40

Amount per Person: \$170.10

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Tip Calculator</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  form {
    margin-top: 20px;
  }
  label {
    display: inline-block;
    margin-bottom: 5px;
  }
  input[type="number"] {
    padding: 8px;
    margin: 5px;
    width: 150px;
  }
  button {
```

```

padding: 10px 20px;
margin-top: 10px;
font-size: 16px;
cursor: pointer;
}
#result {
margin-top: 20px;
}
</style>
</head>
<body>
<h2>Tip Calculator</h2>
<form id="tipForm">
  <label for="totalBill">Total Bill Amount ($):</label>
  <input type="number" id="totalBill" min="0" step="0.01" required><br>
  <label for="tipPercentage">Tip Percentage (%):</label>
  <input type="number" id="tipPercentage" min="0" step="0.01" required><br>
  <label for="numPeople">Number of People:</label>
  <input type="number" id="numPeople" min="1" required><br>
  <button type="button" onclick="calculateTip()">Calculate Tip</button>
</form>
<div id="result"></div>

<script>
  function calculateTip() {
    var totalBill =
parseFloat(document.getElementById('totalBill').value);
    var tipPercentage =
parseFloat(document.getElementById('tipPercentage').value);
    var numPeople = parseInt(document.getElementById('numPeople').value);

    if (isNaN(totalBill) || isNaN(tipPercentage) || isNaN(numPeople)) {
      document.getElementById('result').textContent = 'Please enter
valid numbers.';
      return;
    }

    var tipAmount = totalBill * (tipPercentage / 100);
    var totalAmount = totalBill + tipAmount;
    var amountPerPerson = totalAmount / numPeople;

    document.getElementById('result').innerHTML = `
      <p>Total Tip Amount: ${tipAmount.toFixed(2)}</p>
      <p>Total Amount to Pay: ${totalAmount.toFixed(2)}</p>
      <p>Amount per Person: ${amountPerPerson.toFixed(2)}</p>
    `;
  }
</script>

```

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