

# LAB-05

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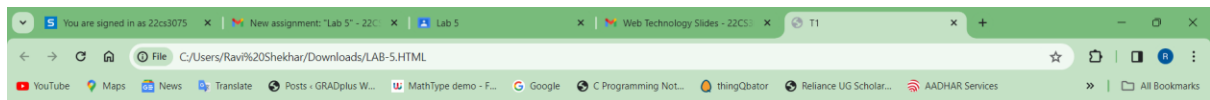
---

T1.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>T1</title>
  <style>
    #word {
      font-size: 24px;
      font-weight: bold;
      margin-top: 20px;
    }
    .spin {
      animation: spin 1s linear;
    }
    @keyframes spin {
      from {
        transform: rotateY(0deg);
      }
      to {
        transform: rotateY(360deg);
      }
    }
  </style>
</head>
<body>
  <div id="word" class="spin">
    <h1>T1</h1>
  </div>
</body>
</html>
```

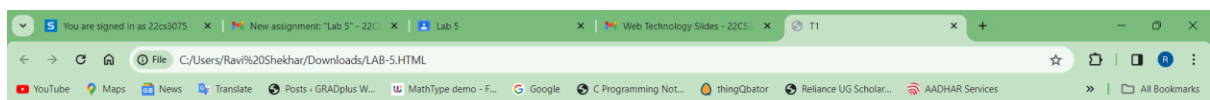
```
</style>
</head>
<body>
  <h2 id="word">Hello</h2>
  <input type="text" id="textInput">
  <button onclick="changeWord()">Change Word & Spin</button>

  <script>
    function changeWord() {
      var input = document.getElementById("textInput").value;
      var wordElement = document.getElementById("word");
      wordElement.textContent = input;
      wordElement.classList.add("spin"); // Add the class to trigger the spin animation
      setTimeout(function() {
        wordElement.classList.remove("spin"); // Remove the class after animation ends
      }, 1000); // Set the timeout to match the animation duration (1s)
    }
  </script>
</body>
</html>
```



Hello

[Change Word & Spin](#)



RAVI

[Change Word & Spin](#)



## T 2.

<!DOCTYPE html>

<html lang="en">

```
<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>T2</title>

<style>

  #count {

    font-size: 16px; /* Initial font size */

  }

</style>

</head>

<body>

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

  <p id="count">0</p>


<script>

  var count = 0; // Initialize count variable


  function incrementCount() {

    count++; // Increment count by 1

    var countParagraph = document.getElementById("count");

    countParagraph.textContent = count; // Update paragraph text


    // Update font size based on the count

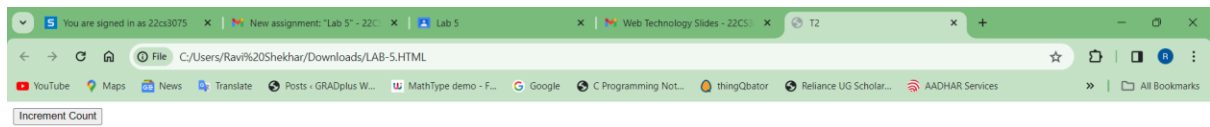
    countParagraph.style.fontSize = (16 + count) + "px"; // Adjust font size

  }

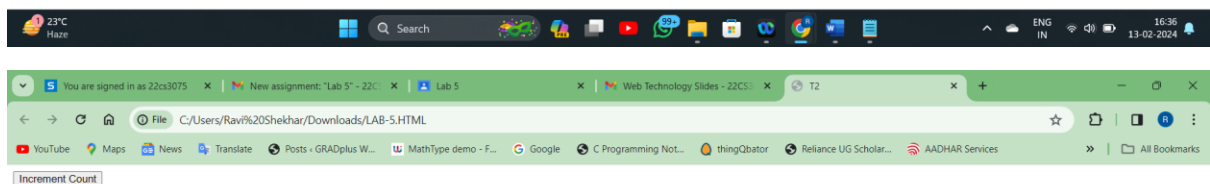
</script>

</body>

</html>
```



0



21

T 3.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>T3</title>

<style>

  #count {

    font-size: 16px; /* Initial font size */

  }

</style>

</head>

<body>

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

  <ul id="countList"><li>0</li></ul>


  <script>

    var count = 0; // Initialize count variable

    var countList = document.getElementById("countList"); // Reference to the list


    function incrementCount() {

      count++; // Increment count by 1


      var listItem = document.createElement("li"); // Create a new list item

      listItem.textContent = count; // Set the text content of the list item

      listItem.style.fontSize = (17 + count) + "px"; // Set the font size

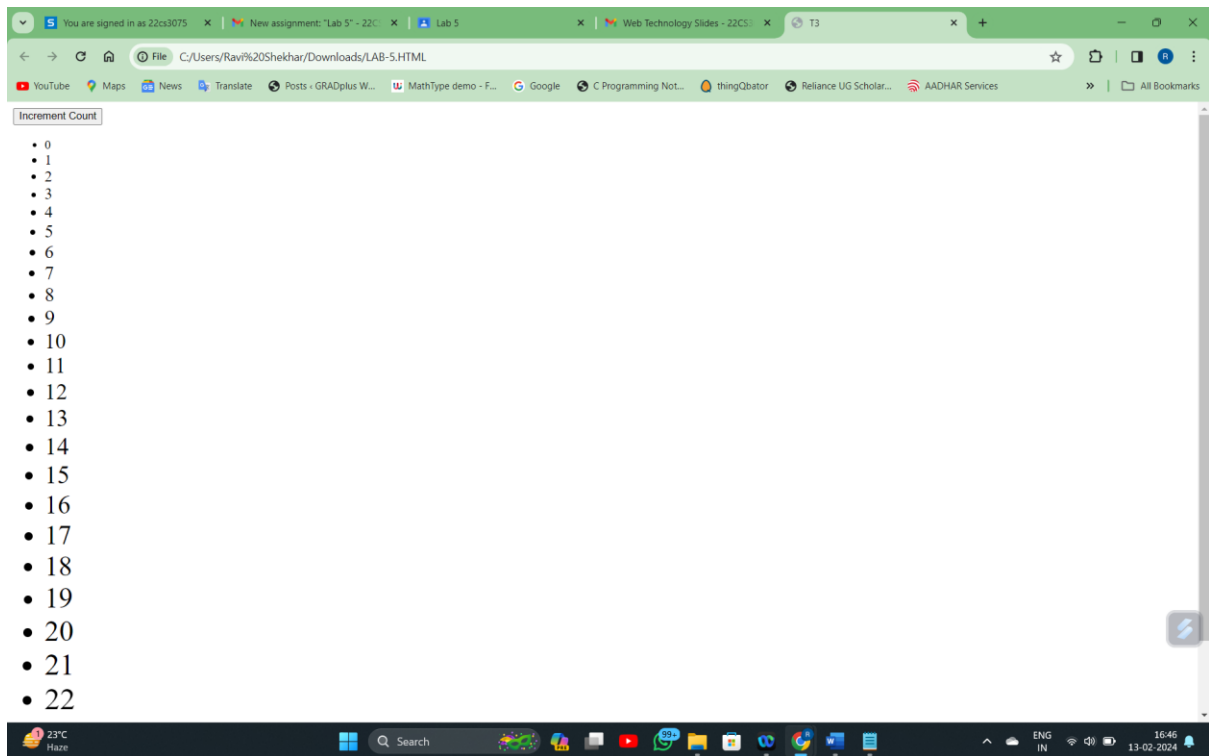

      countList.appendChild(listItem); // Append the new list item to the list

    }

  </script>

</body>

</html>
```



T4.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Dynamic Table</title>
```

```
</head>
```

```
<body>
```

```
  <table id="myTable">
```

```
    <tr>
```

```
      <th>Row</th>
```

```
      <th>Sum</th>
```

```
    </tr>
```

```
    <tr>
```

```
      <td>1</td>
```

```
        <td>0</td>
    </tr>
    <tr>
        <td>2</td>
        <td>1</td>
    </tr>
</table>
<button id="addRowBtn">Add Row</button>

<script src="script1.js"></script>
</body>
</html>
```

```
document.addEventListener("DOMContentLoaded", function() {
    const addRowBtn = document.getElementById('addRowBtn');
    const table = document.getElementById('myTable');

    addRowBtn.addEventListener('click', function() {
        const rows = table.getElementsByTagName('tr');
        const lastRow = rows[rows.length - 1];
        const prevRow = lastRow.previousSibling.previousSibling; // skip table header and last row

        const newRow = table.insertRow();

        const newRowNumber = parseInt(prevRow.cells[0].innerText) + 1;
        const newRowSum = parseInt(lastRow.cells[1].innerText) + parseInt(prevRow.cells[1].innerText);

        const newCellNumber = newRow.insertCell();
        const newCellSum = newRow.insertCell();

        newCellNumber.innerText = newRowNumber;
```



```

        newCellSum.innerText = newRowSum;

    });

});

```



T5.

```

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Calculator</title>

</head>

<body>

<input type="text" id="input1">

    <input type="text" id="input2">

    <br>

    <button id="add">+</button>

    <button id="subtract">-</button>

    <button id="multiply">*</button>

```

```
<button id="divide"></button>
```

```
<br>
```

```
<div id="result"></div>
```

```
<script src="script1.js"></script>
```

```
</body>
```

```
</html>
```

```
document.addEventListener("DOMContentLoaded", function() {
```

```
    const input1 = document.getElementById('input1');
```

```
    const input2 = document.getElementById('input2');
```

```
    const addBtn = document.getElementById('add');
```

```
    const subtractBtn = document.getElementById('subtract');
```

```
    const multiplyBtn = document.getElementById('multiply');
```

```
    const divideBtn = document.getElementById('divide');
```

```
    const resultDisplay = document.getElementById('result');
```

```
// Event listeners for each button
```

```
addBtn.addEventListener('click', function() {
```

```
    calculate('+');
```

```
});
```

```
subtractBtn.addEventListener('click', function() {
```

```
    calculate('-');
```

```
});
```

```
multiplyBtn.addEventListener('click', function() {
```

```
    calculate('*');
```

```
});
```

```
divideBtn.addEventListener('click', function() {
```

```
    calculate('/');
```

```
});
```

```
function calculate(operator) {
```

```
    const value1 = Number.parseInt(input1.value);
```

```
    const value2 = Number.parseInt(input2.value);
```

```
    let result;
```

```
    switch (operator) {
```

```
        case '+':
```

```
            result = value1 + value2;
```

```
            break;
```

```
        case '-':
```

```
            result = value1 - value2;
```

```
            break;
```

```
        case '*':
```

```
            result = value1 * value2;
```

```
            break;
```

```
        case '/':
```

```
            if (value2 !== 0) {
```

```
                result = value1 / value2;
```

```
            } else {
```

```
                result = 'Error: Division by zero';
```

```
            }
```

```
            break;
```

```
        default:
```

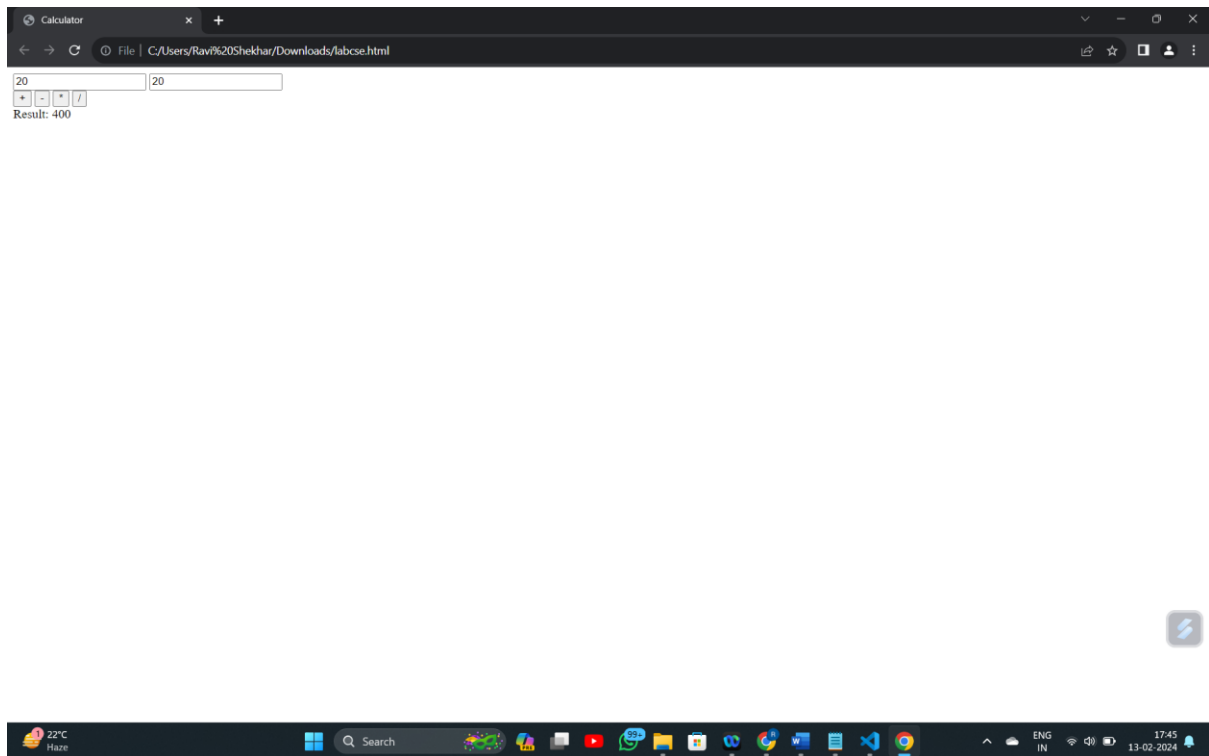
```
            result = 'Invalid operator';
```

```
    }
```

```
    resultDisplay.textContent = 'Result: ' + result;
```

```
}
```

```
});
```



T6.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Repeat Content Example</title>
```

```
<style>
```

```
  body {
```

```
    font-family: Arial, sans-serif;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    box-sizing: border-box;
```

```
  }
```

```
  .container {
```

```
    max-width: 800px;
```

```
    margin: 20px auto;

    padding: 20px;

    border: 1px solid #ccc;

    border-radius: 8px;

    background-color: #f9f9f9;
}

.header {

    text-align: center;

    margin-bottom: 20px;
}

.content {

    text-align: center;

    margin-bottom: 20px;
}

.button-container {

    text-align: center;
}

button {

    padding: 10px 20px;

    font-size: 16px;

    background-color: #007bff;

    color: #fff;

    border: none;

    border-radius: 4px;

    cursor: pointer;
}

button:hover {

    background-color: #0056b3;
}

</style>
</head>
```

```
<body>

  <div id="content">

    <!-- Content will be added dynamically here -->

  </div>

  <button id="repeatBtn">CLICK HERE</button>


  <script src="script1.js"></script>
</body>
</html>

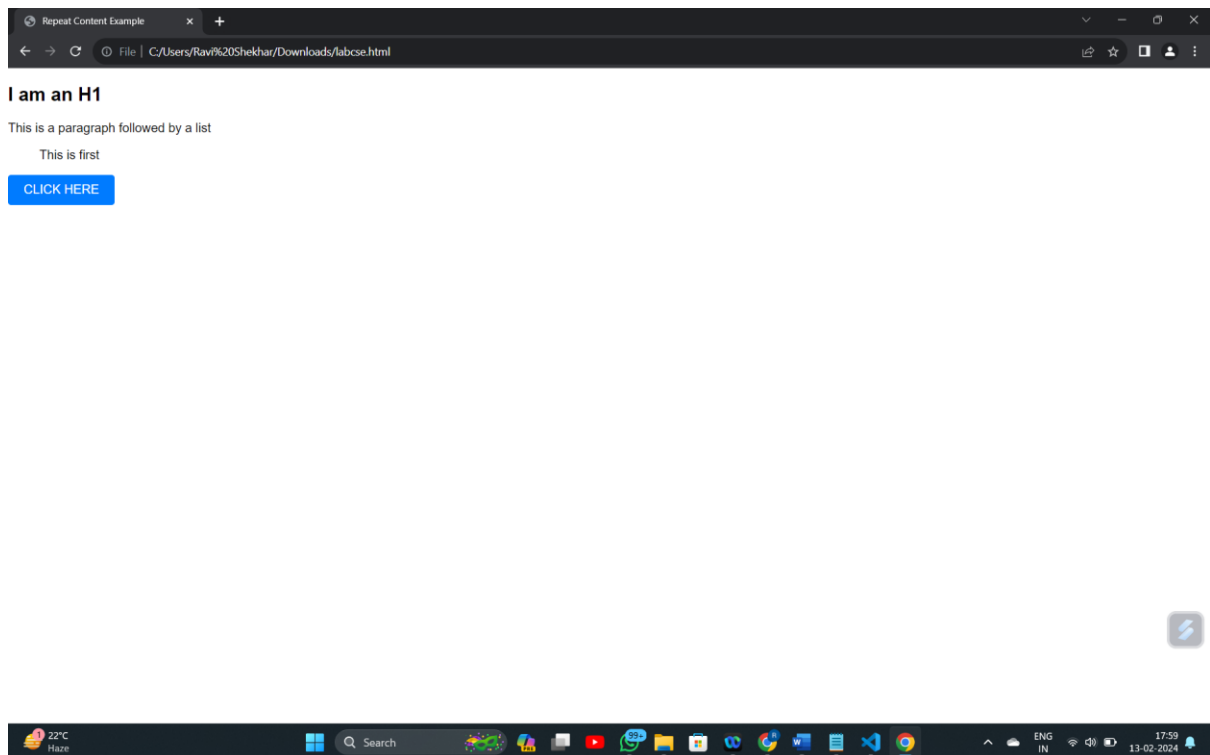
// Get the button and content div
const repeatBtn = document.getElementById('repeatBtn');
const contentDiv = document.getElementById('content');

// Define the content you want to repeat
const contentToRepeat = [
  { tag: 'h2', text: 'I am an H1' },
  { tag: 'p', text: 'This is a paragraph followed by a list' },
  { tag: 'ol', text: 'This is first' }
];

// Add an event listener to the button
repeatBtn.addEventListener('click', function() {
  // Clear existing content
  contentDiv.innerHTML = "";

  // Repeat the content
  contentToRepeat.forEach(item => {
    const element = document.createElement(item.tag);
    element.textContent = item.text;
    contentDiv.appendChild(element);
  });
});
```

});



T7.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<style>
```

```
body {
```

```
font-family: Arial, sans-serif;
```

```
background-color: #f4f4f4;
```

```
margin: 0;
```

```
padding: 0;
```

```
display: flex;
```

```
justify-content: center;
```

```
align-items: center;
```

```
height: 100vh;  
}
```

```
.tip-calculator {  
  background-color: #fff;  
  padding: 20px;  
  border-radius: 8px;  
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
  text-align: center;  
}
```

```
</style>
```

```
<title>Tip Calculator</title>
```

```
</head>
```

```
<body>
```

```
<div id="tip-calculator" class="tip-calculator">
```

```
<h1>Tip Calculator</h1>
```

```
<label for="billAmount">Bill Amount:</label>
```

```
<input type="number" id="billAmount" min="0" step="0.01" placeholder="Enter bill amount">
```

```
<label for="tipPercentage">Tip Percentage:</label>
```

```
<input type="range" id="tipPercentage" min="0" max="30" step="1">
```

```
<output for="tipPercentage" id="tipPercentageOutput">15%</output>
```

```
<label for="numberOfPeople">Number of People:</label>
```

```
<input type="number" id="numberOfPeople" min="1" placeholder="Enter number of people">
```

```
<h2>Tip per person: $<span id="tipAmount">0.00</span></h2>
```



```
<script>

const billAmountInput = document.getElementById('billAmount');
const tipPercentageInput = document.getElementById('tipPercentage');
const tipPercentageOutput = document.getElementById('tipPercentageOutput');
const numberOfPeopleInput = document.getElementById('numberOfPeople');
const tipAmountOutput = document.getElementById('tipAmount');


billAmountInput.addEventListener('input', updateTip);
tipPercentageInput.addEventListener('input', updateTip);
numberOfPeopleInput.addEventListener('input', updateTip);


function updateTip() {
  const billAmount = parseFloat(billAmountInput.value) || 0;
  const tipPercentage = parseFloat(tipPercentageInput.value);
  const numberOfPeople = parseInt(numberOfPeopleInput.value) || 1;

  const tipAmount = (billAmount * tipPercentage) / 100 / numberOfPeople;

  tipAmountOutput.textContent = tipAmount.toFixed(2);
  tipPercentageOutput.textContent = tipPercentage + '%';
}
</script>
</div>
</body>
</html>
```

