Name   : Chaitanya sai
Roll no : 22cs3026

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Word Spinner</title>
<style>
  body {
    font-family: Arial, sans-serif;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }

  .container {
    text-align: center;
  }

  h2 {
    transition: transform 0.5s ease-in-out;
  }

  .spinning {
    animation: spin 1s infinite linear;
  }

  @keyframes spin {
    100% {
      transform: rotate(360deg);
    }
  }
</style>
</head>
<body>

<div class="container">
  <h2 id="word">Hello</h2>
  <input type="text" id="textInput" placeholder="Enter a word or phrase">
  <button onclick="changeWord()">Submit</button>
</div>

<script>
  function changeWord() {
    var input = document.getElementById('textInput').value;
    var word = document.getElementById('word');
```

```html
      word.textContent = input;
      word.classList.add('spinning');

      setTimeout(function() {
        word.classList.remove('spinning');
      }, 1000);
    }
</script>

</body>
</html>
<!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;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }

  #count {
    font-size: 16px; /* initial font size */
  }
</style>
</head>
<body>

<button onclick="incrementCount()">Increment</button>
<p id="count">0</p>

<script>
  function incrementCount() {
    var countParagraph = document.getElementById('count');
    var currentCount = parseInt(countParagraph.textContent);
    var newCount = currentCount + 1;

    countParagraph.textContent = newCount;
    countParagraph.style.fontSize = (16 + newCount) + 'px'; // Increase font
size
  }
</script>
```

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

<!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;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }

  #countList {
    list-style-type: none;
  }

  .countItem {
    font-size: 16px; /* initial font size */
  }
</style>
</head>
<body>

<button onclick="incrementCount()">Increment</button>
<ul id="countList"></ul>

<script>
  var count = 0;

  function incrementCount() {
    count++;
    var countList = document.getElementById('countList');
    var newItem = document.createElement('li');
    newItem.textContent = count;
    newItem.classList.add('countItem');
    newItem.style.fontSize = (16 + count) + 'px'; // Increase font size
    countList.appendChild(newItem);
  }
</script>
```

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

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 4: Dynamic Table</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }
  table {
    border-collapse: collapse;
    margin-bottom: 20px;
  }
  th, td {
    border: 1px solid #ddd;
    padding: 8px;
    text-align: center;
  }
</style>
</head>
<body>
<table id="sum-table">
  <tr>
    <th>Row</th>
    <th>Sum</th>
  </tr>
</table>
<button id="add-row-btn">Add Row</button>

<script>
  const sumTable = document.getElementById('sum-table');
  const addRowBtn = document.getElementById('add-row-btn');
  let rowCount = 1;

  addRowBtn.addEventListener('click', () => {
    const newRow = sumTable.insertRow();
    const cell1 = newRow.insertCell(0);
    const cell2 = newRow.insertCell(1);
```

```
      cell1.textContent = rowCount;
      cell2.textContent = getFibonacci(rowCount);

      rowCount++;
    });

    function getFibonacci(n) {
      if (n === 1 || n === 2) {
        return 1;
      }

      let a = 1;
      let b = 1;
      let sum = 0;

      for (let i = 3; i <= n; i++) {
        sum = a + b;
        a = b;
        b = sum;
      }

      return sum;
    }
</script>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Calculator</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }

  input[type="text"] {
    padding: 5px;
    margin: 5px;
    width: 100px;
  }

  button {
    padding: 10px 20px;
    margin: 5px;
```

```
      font-size: 16px;
    }

    #result {
      margin-top: 20px;
      font-size: 20px;
    }
</style>
</head>
<body>

<input type="text" id="input1" placeholder="Enter number">
<input type="text" id="input2" placeholder="Enter number">

<button onclick="calculate('+')">+</button>
<button onclick="calculate('-')">-</button>
<button onclick="calculate('*')">*</button>
<button onclick="calculate('/')">/</button>

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

<script>
  function calculate(operator) {
    var input1 = Number.parseInt(document.getElementById('input1').value);
    var input2 = Number.parseInt(document.getElementById('input2').value);
    var resultElement = document.getElementById('result');
    var result;

    switch (operator) {
      case '+':
        result = input1 + input2;
        break;
      case '-':
        result = input1 - input2;
        break;
      case '*':
        result = input1 * input2;
        break;
      case '/':
        if (input2 !== 0) {
          result = input1 / input2;
        } else {
          result = "Cannot divide by zero";
        }
        break;
      default:
        result = "Invalid operator";
    }
```

```
      resultElement.textContent = "Result: " + result;
  }
</script>

</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Toggle Content</title>
<style>
  #hiddenContent {
    display: none;
  }
</style>
</head>
<body>

<button id="showContentButton">Click Here</button>

<div id="hiddenContent">
  <!DOCTYPE html>
  <html lang="en">
  <head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Page</title>
  </head>
  <body>

    <h1>I am an H1</h1>
    <p>This is a paragraph followed by a list:</p>
    <ol type="I">
      <li>This is first</li>
      <li>This is second</li>
    </ol>

  </body>
  </html>
</div>

<script>
  document.getElementById("showContentButton").addEventListener("click",
function() {
```

```
      var content = document.getElementById("hiddenContent");
      if (content.style.display === "none") {
        content.style.display = "block";
      } else {
        content.style.display = "none";
      }
    });
</script>

</body>
</html>

<!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;
    background-color: #f4f4f4;
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
  }
  .container {
    background-color: #fff;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    padding: 20px;
    text-align: center;
  }
  h1 {
    margin-bottom: 20px;
    color: #333;
  }
  input[type="number"] {
    width: 100px;
    padding: 10px;
    margin: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
  }
  button {
```

```css
      padding: 10px 20px;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 5px;
      cursor: pointer;
      margin: 10px;
    }
    button:hover {
      background-color: #45a049;
    }
    #tipAmount {
      margin-top: 20px;
      font-size: 24px;
      font-weight: bold;
      color: #4CAF50;
    }
</style>
</head>
<body>
<div class="container">
  <h1>Tip Calculator</h1>
  <input type="number" id="billAmount" placeholder="Bill Amount" min="0"
step="0.01"><br>
  <div id="tipPercentage">Tip Percentage: 15%</div>
  <button onclick="increaseTipPercentage()">Increase Tip %</button>
  <button onclick="decreaseTipPercentage()">Decrease Tip %</button><br>
  <div id="numOfPeople">Number of People: 1</div>
  <button onclick="increaseNumOfPeople()">Increase People</button>
  <button onclick="decreaseNumOfPeople()">Decrease People</button><br>
  <button onclick="calculateTip()">Calculate Tip</button>
  <div id="tipAmount"></div>
</div>
<script>
  let tipPercentage = 15;
  let numOfPeople = 1;

  function increaseTipPercentage() {
    tipPercentage += 1;
    document.getElementById('tipPercentage').innerText = `Tip Percentage:
${tipPercentage}%`;
  }

  function decreaseTipPercentage() {
    if (tipPercentage > 0) {
      tipPercentage -= 1;
      document.getElementById('tipPercentage').innerText = `Tip Percentage:
${tipPercentage}%`;
```
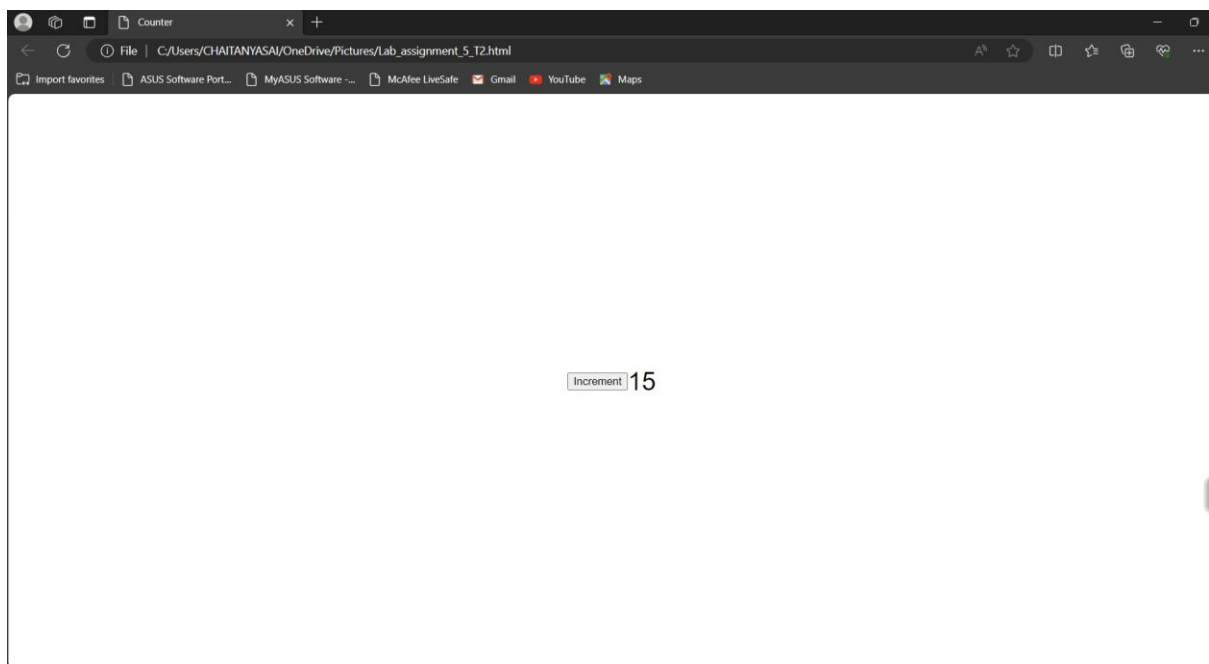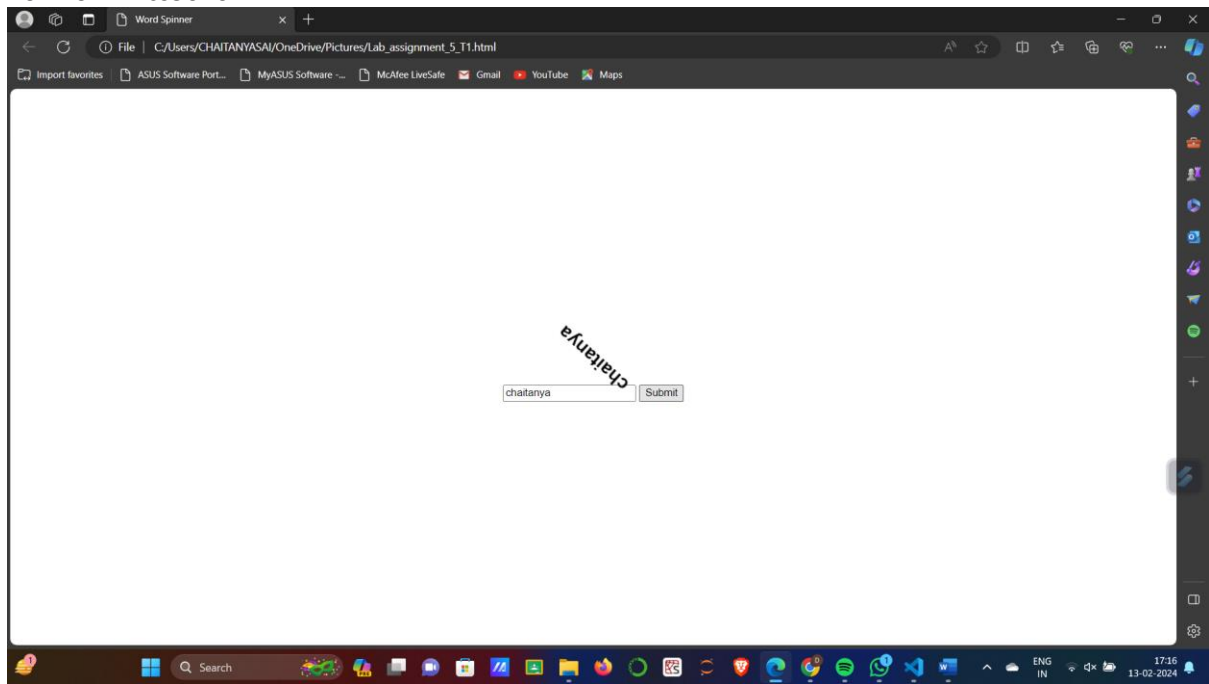
```javascript
      }
    }

    function increaseNumOfPeople() {
      numOfPeople += 1;
      document.getElementById('numOfPeople').innerText = `Number of People:
${numOfPeople}`;
    }

    function decreaseNumOfPeople() {
      if (numOfPeople > 1) {
        numOfPeople -= 1;
        document.getElementById('numOfPeople').innerText = `Number of People:
${numOfPeople}`;
      }
    }

    function calculateTip() {
      const billAmount =
parseFloat(document.getElementById('billAmount').value);

      if (isNaN(billAmount) || billAmount <= 0) {
        alert('Please enter a valid bill amount.');
        return;
      }

      const tipAmount = (billAmount * tipPercentage) / 100 / numOfPeople;
      document.getElementById('tipAmount').innerText = `Tip Amount per person:
$${tipAmount.toFixed(2)}`;
    }
</script>
</body>
</html>
```
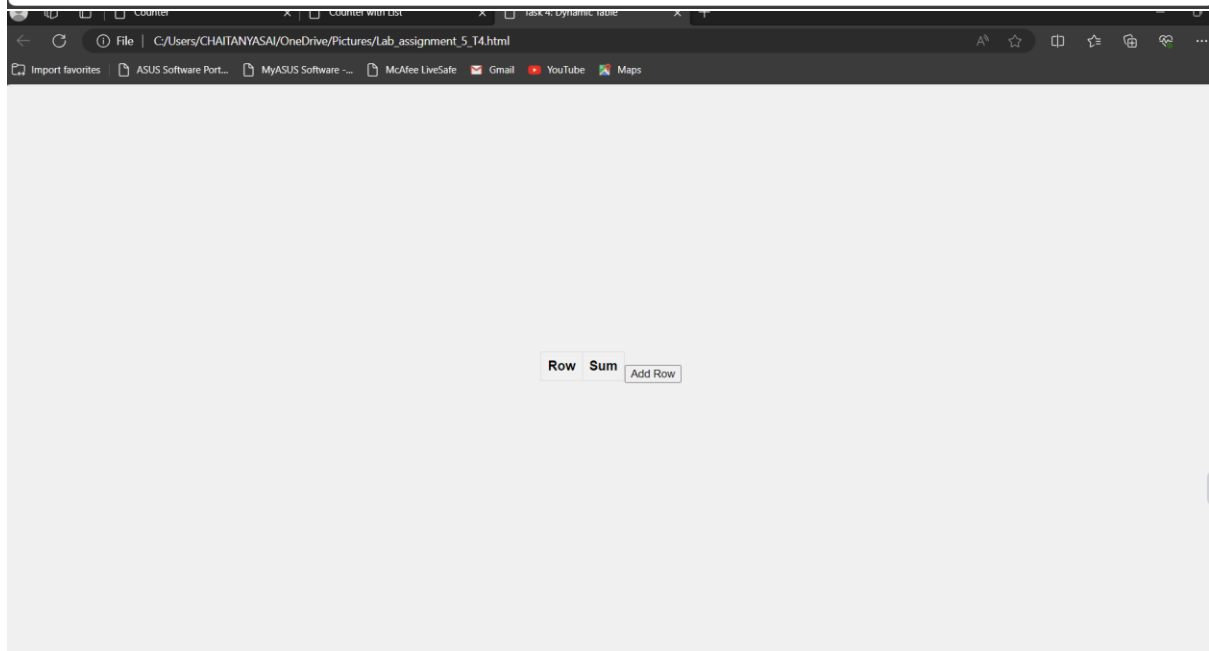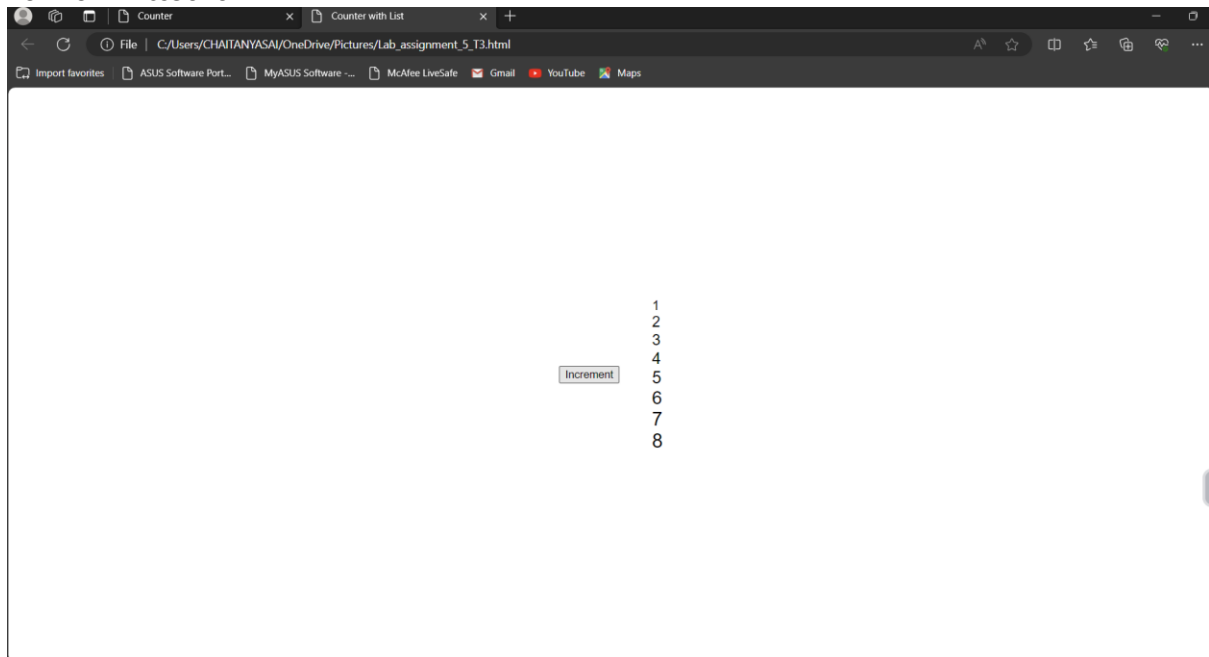
Name   : Chaitanya sai
Roll no : 22cs3026

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Roll no : 22cs3026

Row	Sum
1	1
2	1
3	2
4	3
5	5
6	8
7	13
8	21

Add Row

chaitanyasai duggempudi (chaitanyasaiduggempudi@gmail.com) is signed in

5   6   +   -   *   /

Result: 0.8333333333333334

Name   : Chaitanya sai
Roll no : 22cs3026