

LAB ASSIGNMENT-5

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ROLL NO: 22CS3046

Q1.

```
<!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>
    /* Basic styling for the page */
    body {
      font-family: Arial, sans-serif;
      text-align: center;
    }
    h2 {
      font-size: 24px;
    }
    input[type="text"] {
      padding: 5px;
    }
    button {
      padding: 5px 10px;
      background-color: #0074D9;
      color: #fff;
      border: none;
      cursor: pointer;
    }
    /* Animation for spinning the word */
    @keyframes spin {
```

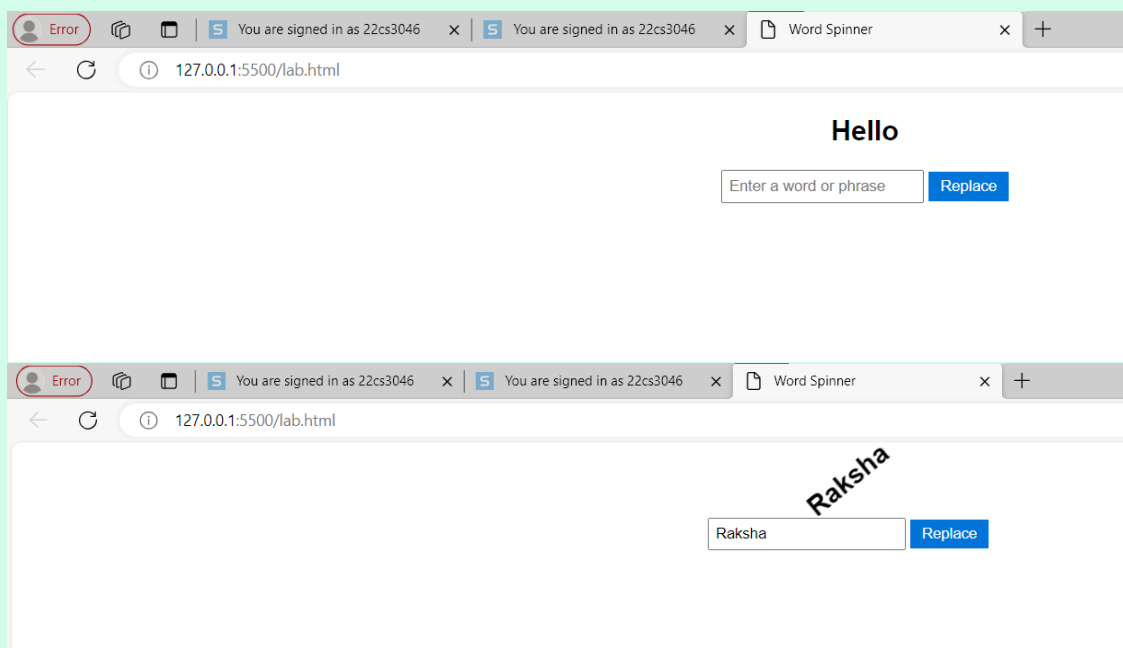
```

    0% { transform: rotate(0); }
    100% { transform: rotate(360deg); }
  }
</style>
</head>
<body>
  <h2 id="wordDisplay">Hello</h2>
  <input type="text" id="wordInput" placeholder="Enter a word or phrase">
  <button onclick="replaceWord()">Replace</button>

  <script>
    function replaceWord() {
      const inputElement = document.getElementById('wordInput');
      const newWord = inputElement.value.trim();

      if (newWord) {
        const h2Element = document.getElementById('wordDisplay');
        h2Element.textContent = newWord;
        h2Element.style.animation = 'spin 2s linear infinite'; // Add spinning
animation
      }
    }
  </script>
</body>
</html>

```

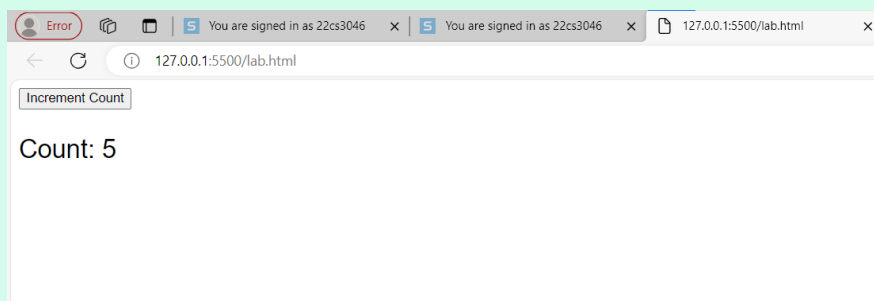


Q2.

```
<!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;
    }
    #count {
      font-size: 16px;
    }
  </style>
  <script>
    let count = 0;

    function updateCount() {
      count++;
      document.getElementById("count").textContent = `Count: ${count}`;
      // Increase font size as count grows
      const fontSize = 16 + count * 2; // Adjust the multiplier as needed
      document.getElementById("count").style.fontSize = `${fontSize}px`;
    }
  </script>
</head>
<body>
  <button onclick="updateCount()">Increment Count</button>
  <p id="count">Count: 0</p>
</body>
</html>
```

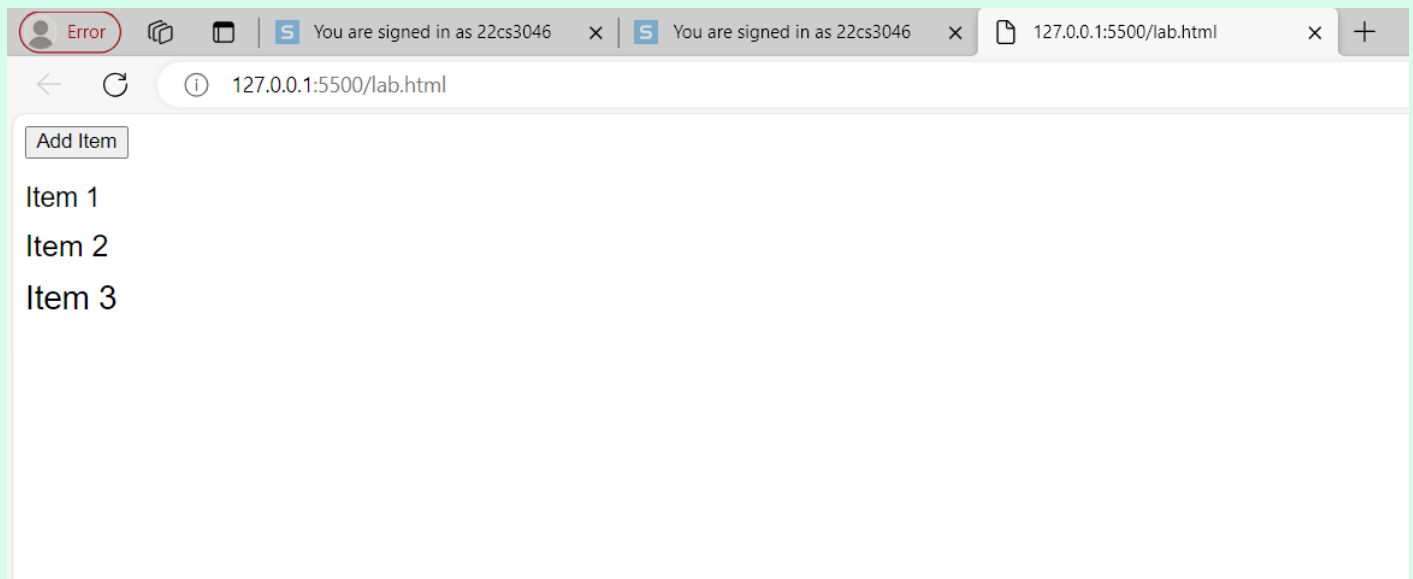




Q3.

```
<!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;
    }
    ul {
      list-style-type: none;
      padding: 0;
    }
    li {
      margin-bottom: 10px;
    }
  </style>
  <script>
    let count = 0;

    function createListItem() {
      count++;
      const listItem = document.createElement("li");
      listItem.textContent = `Item ${count}`;
      listItem.style.fontSize = `${16 + count * 2}px`; // Increase font size
      document.getElementById("numberList").appendChild(listItem);
    }
  </script>
</head>
<body>
  <button onclick="createListItem()">Add Item</button>
  <ul id="numberList"></ul>
</body>
</html>
```



Q4.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    table {
      border-collapse: collapse;
    }
    th, td {
      border: 1px solid black;
      padding: 8px;
    }
  </style>
  <script>
    let previousSum = 0;

    function addRow() {
      const table = document.getElementById("myTable");
      const newRow = table.insertRow();
      const cell1 = newRow.insertCell(0);
      const cell2 = newRow.insertCell(1);




      // Calculate the sum of the previous two rows
      const currentSum = previousSum + (previousSum === 0 ? 1 : previousSum);
      previousSum = currentSum;
    }
  </script>
</head>
<body>
  <table id="myTable">
    <tr>
      <td><input type="button" value="Add Item"></td>
    </tr>
    <tr>
      <td>Item 1</td>
    </tr>
    <tr>
      <td>Item 2</td>
    </tr>
    <tr>
      <td>Item 3</td>
    </tr>
  </table>
</body>
</html>
```

```

        cell1.innerText = currentSum;
        cell2.innerText = "New Row";

        // Adjust font size based on the sum
        cell1.style.fontSize = `${16 + currentSum * 2}px`;
    }
</script>
</head>
<body>
    <button onclick="addRow()">Add Row</button>
    <table id="myTable">
        <thead>
            <tr>
                <th>Sum</th>
                <th>Description</th>
            </tr>
        </thead>
        <tbody>
            <!-- Initial row -->
            <tr>
                <td>1</td>
                <td>Initial Row</td>
            </tr>
        </tbody>
    </table>
</body>
</html>

```

 Error
 

 You are signed in as 22cs3046 x
 You are signed in as 22cs3046 x
 127.0.0.1:5500/lab.html x +



 127.0.0.1:5500/lab.html

Add Row

Sum	Description
1	Initial Row
1	New Row
2	New Row

Q5.

```
<!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;
    }
    input[type="text"] {
      padding: 10px;
      font-size: 16px;
    }
    button {
      padding: 10px 20px;
      font-size: 16px;
      margin-right: 10px;
    }
  </style>
<script>
  function performOperation(operation) {
    const input1 = document.getElementById("input1").value;
    const input2 = document.getElementById("input2").value;

    // Convert input values to integers
    const value1 = Number.parseInt(input1);
    const value2 = Number.parseInt(input2);

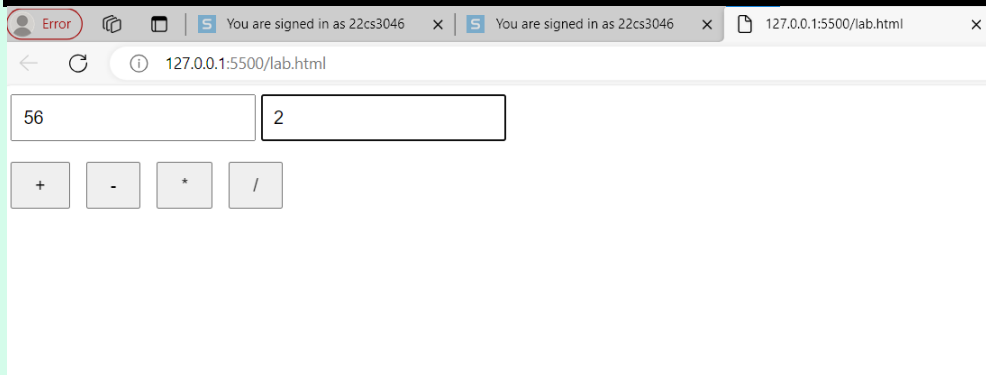
    let result;
    switch (operation) {
      case "+":
        result = value1 + value2;
        break;
      case "-":
        result = value1 - value2;
        break;
      case "*":
        result = value1 * value2;
        break;
      case "/":
        result = value1 / value2;
        break;
      default:
        result = "Invalid operation";
    }
  }
</script>
```

```

    }

    document.getElementById("result").textContent = `Result: ${result}`;
  }
</script>
</head>
<body>
  <input type="text" id="input1" placeholder="Enter number 1">
  <input type="text" id="input2" placeholder="Enter number 2">
  <br><br>
  <button onclick="performOperation('+')">+</button>
  <button onclick="performOperation('-')">-</button>
  <button onclick="performOperation('*')">*</button>
  <button onclick="performOperation('/')">/</button>
  <br><br>
  <p id="result"></p>
</body>
</html>

```



Q6.


```
<!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;
    }
    ul {
      list-style-type: none;
      padding: 0;
    }
    li {
      margin-bottom: 10px;
    }
  </style>
  <script>
    function createPage() {
      // Create an H1 element
      const h1 = document.createElement("h1");
      h1.textContent = "I am Raksha Kumari ";

      // Create a paragraph element
      const para = document.createElement("p");
      para.textContent = "This is a paragraph followed by a list";

      // Create an ordered list
      const ol = document.createElement("ol");

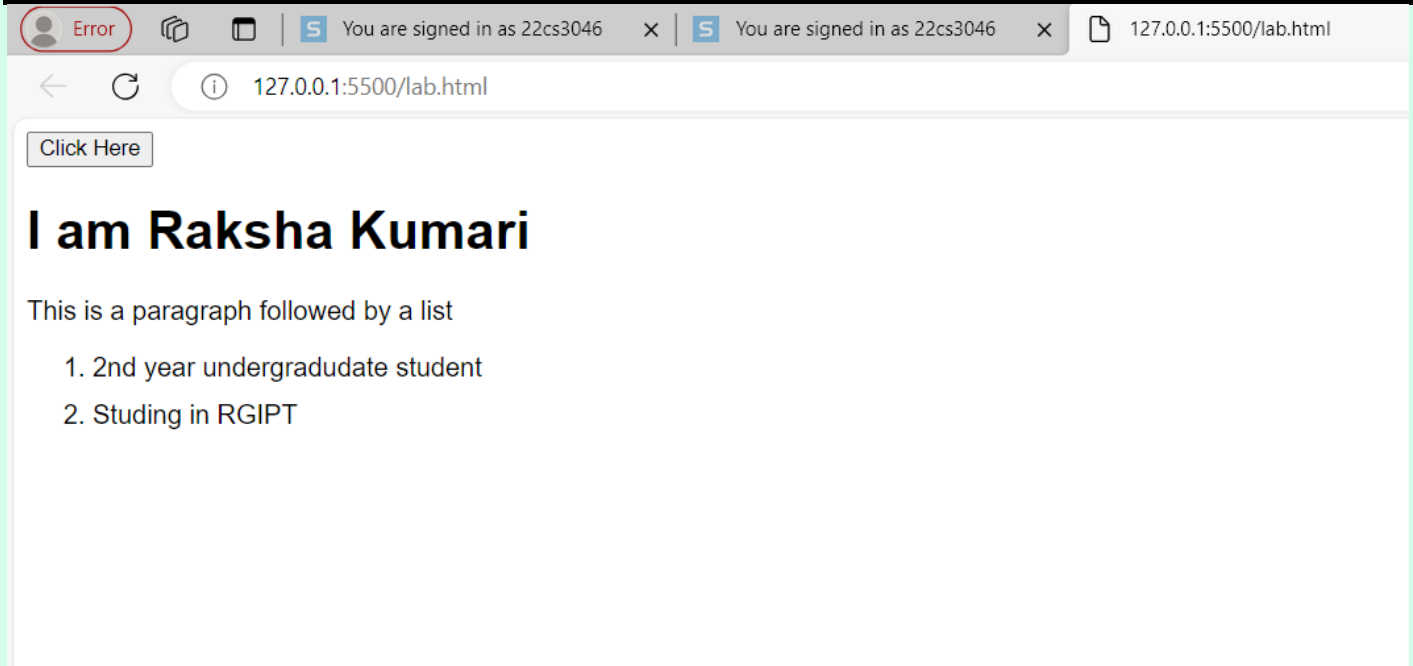
      // Create list items
      const liI = document.createElement("li");
      liI.textContent = "2nd year undergradate student";

      const liII = document.createElement("li");
      liII.textContent = "Studing in RGIPT";

      // Append list items to the ordered list
      ol.appendChild(liI);
      ol.appendChild(liII);

      // Append all elements to the body
      document.body.appendChild(h1);
      document.body.appendChild(para);
      document.body.appendChild(ol);
    }
  </script>
</head>
<body>
  <h1>I am Raksha Kumari </h1>
  <p>This is a paragraph followed by a list</p>
  <ol>
    <li>2nd year undergradate student</li>
    <li>Studing in RGIPT</li>
  </ol>
</body>
</html>
```

```
    }  
  </script>  
</head>  
<body>  
  <button onclick="createPage()">Click Here</button>  
</body>  
</html>
```



Q7.

```
<!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;  
    }  
    input[type="number"] {  
      padding: 10px;  
      font-size: 16px;  
    }  
    button {  
      padding: 10px 20px;  
      font-size: 16px;  
    }  
  </style>  
</head>  
<body>  
  <input type="number" value="100"/>  
  <button onclick="createPage()">Click Here</button>  
</body>  
</html>
```

```
    #result {
      font-size: 18px;
      margin-top: 20px;
    }
  </style>
  <script>
    function calculateTip() {
      const billAmount = document.getElementById("billAmount").value;
      const tipPercentage = document.getElementById("tipPercentage").value;
      const numberOfPeople = document.getElementById("numberOfPeople").value;

      // Calculate the total tip
      const totalTip = (billAmount * tipPercentage) / 100;

      // Calculate the tip per person
      const tipPerPerson = totalTip / numberOfPeople;

      // Display the result
      document.getElementById("result").textContent = `Tip per person:
${tipPerPerson.toFixed(2)}`;
    }
  </script>
</head>
<body>
  <label for="billAmount">Bill Amount:</label>
  <input type="number" id="billAmount" placeholder="Enter bill amount">
  <br>
  <label for="tipPercentage">Tip Percentage:</label>
  <input type="number" id="tipPercentage" placeholder="Enter tip percentage">
  <br>
  <label for="numberOfPeople">Number of People:</label>
  <input type="number" id="numberOfPeople" placeholder="Enter number of people">
  <br><br>
  <button onclick="calculateTip()">Calculate Tip</button>
  <p id="result"></p>
</body>
</html>
```

Bill Amount: 20000

Tip Percentage: 20

Number of People: 12

Calculate Tip

Tip per person: \$333.33