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T1.

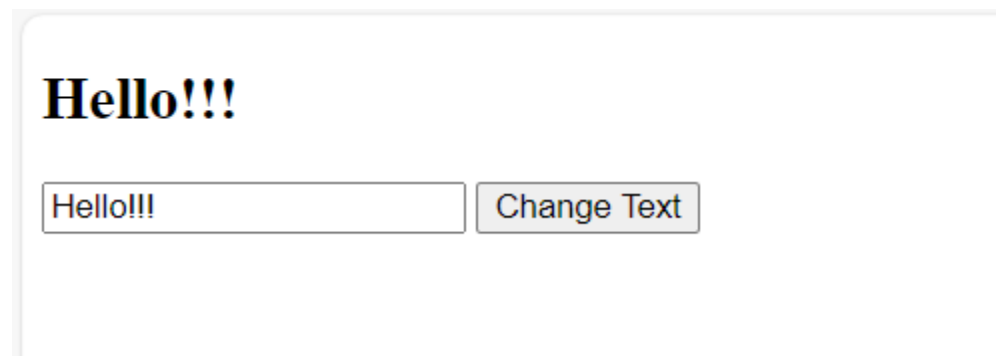
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Text Spinner</title>
  <style>
    #text {
      transition: transform 2s ease-in-out;
    }
  </style>
</head>
<body>
  <h2 id="text">Hello</h2>
  <input type="text" id="textInput" placeholder="Enter text">
  <button onclick="changeText()">Change Text</button>

  <script>
    function changeText() {
      const inputText = document.getElementById('textInput').value;
      const textElement = document.getElementById('text');

      textElement.textContent = inputText;
      textElement.style.transform = 'rotate(360deg)';

      setTimeout(() => {
        textElement.style.transform = 'rotate(0deg)';
      }, 2000);
    }
  </script>
</body>
```

```
</html>
```



T2.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Counter Page</title>
  <style>
    #count {
      font-size: 16px;
    }
  </style>
</head>
<body>
  <p id="count">0</p>
  <button onclick="incrementCount()">Increment Count</button>

  <script>
    function incrementCount() {

      const countParagraph = document.getElementById('count');
      let currentCount = parseInt(countParagraph.textContent);

      currentCount++;
      countParagraph.textContent = currentCount;
      countParagraph.style.fontSize = (16 + currentCount) + 'px';
    }
  </script>
</body>
</html>
```

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

30

Increment Count

T3.

```
<!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>
    #countList {
      list-style-type: none;
    }
    .listItem {
      font-size: 16px;
    }
  </style>
</head>
<body>
  <ul id="countList"></ul>
  <button onclick="incrementCount()">Increment Count</button>

  <script>
    let count = 0;

    function incrementCount() {
```

```

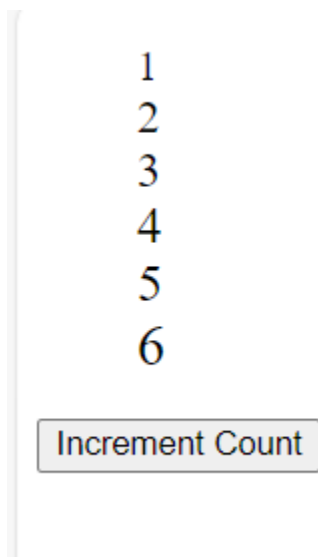
    count++;

    const listItem = document.createElement('li');
    listItem.classList.add('listItem'); // Add a class for styling
    listItem.textContent = count;

    const countList = document.getElementById('countList');
    countList.appendChild(listItem);

    listItem.style.fontSize = (16 + count) + 'px';
  }
</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>Table Rows Sum</title>

```

```
</head>
<body>
  <button onclick="addRow()">Add Row</button>
  <table id="myTable">
    <thead>
      <tr>
        <th>Row Number</th>
        <th>Sum of Previous Two Rows</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>1</td>
        <td>0</td>
      </tr>
      <tr>
        <td>2</td>
        <td>1</td>
      </tr>
    </tbody>
  </table>

  <script>
    function addRow() {

      const table = document.getElementById('myTable');
      const tbody = table.querySelector('tbody');

      const lastRow = tbody.lastChild.previousSibling;
      const secondLastRow = lastRow.previousSibling;

      const sum1 = parseInt(secondLastRow.lastChild.innerText);
      const sum2 = parseInt(lastRow.lastChild.innerText);

      const sum = sum1 + sum2;
      const newRow = document.createElement('tr');
      const rowNumber = tbody.childElementCount + 1;
      const newRowContent = `
```

```

        <td>${rowNumber}</td>
        <td>${sum}</td>
    `;
    newRow.innerHTML = newRowContent;
    tbody.appendChild(newRow);
}
</script>
</body>
</html>

```

Add Row

Row Number	Sum of Previous Two Rows
1	0
2	1

T5.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Calculator</title>
</head>
<body>
    <input type="text" id="input1">
    <input type="text" id="input2">
    <br>
    <button onclick="calculate('+')">+</button>
    <button onclick="calculate('-')">-</button>
    <button onclick="calculate('*')">*</button>
    <button onclick="calculate('/')">/</button>
    <br>
    <p id="result"></p>

```

```
<script>
    function calculate(operator) {

        const input1 =
Number.parseInt(document.getElementById('input1').value);
        const input2 =
Number.parseInt(document.getElementById('input2').value);
        let result;
        switch (operator) {
            case '+':
                result = input1 + input2;
                break;
            case '-':
                result = input1 - input2;
                break;
            case '*':
                result = input1 * input2;
                break;
            case '/':
                if (input2 === 0) {
                    result = "Cannot divide by zero";
                } else {
                    result = input1 / input2;
                }
                break;
            default:
                result = "Invalid operator";
        }
        document.getElementById('result').textContent = "Result: " + result;
    }
</script>
</body>
</html>
```

22	23
<div><div>+</div><div>-</div><div>*</div><div>/</div></div>	

Result: 45

22	12
<div><div>+</div><div>-</div><div>*</div><div>/</div></div>	

Result: 10

22	12
<div><div>+</div><div>-</div><div>*</div><div>/</div></div>	

Result: 264

22	11
<div><div>+</div><div>-</div><div>*</div><div>/</div></div>	

Result: 2

T7.

```
<!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;
  }
  .container {
    max-width: 400px;
    margin: 50px auto;
    padding: 20px;
    background-color: #f4f4f4;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  }
  label {
    display: block;
    margin-bottom: 8px;
  }
  input {
    width: 100%;
    padding: 8px;
    margin-bottom: 16px;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
  }
  button {
    width: 100%;
    padding: 10px;
    background-color: #007bff;
    color: #fff;
    border: none;
    border-radius: 4px;
    cursor: pointer;
  }
  button:hover {
    background-color: #0056b3;
  }
  #tipAmount {
```

```
        font-size: 24px;
        font-weight: bold;
        margin-top: 20px;
    }
</style>
</head>
<body>

<div class="container">
    <h2>Tip Calculator</h2>
    <label for="billAmount">Bill Amount ($)</label>
    <input type="number" id="billAmount" min="0" step="0.01">

    <label for="tipPercentage">Tip Percentage (%)</label>
    <input type="number" id="tipPercentage" min="0" step="1">

    <label for="numberOfPeople">Number of People</label>
    <input type="number" id="numberOfPeople" min="1" step="1">

    <button onclick="calculateTip()">Calculate Tip</button>

    <div id="tipAmount"></div>
</div>

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

        if (isNaN(billAmount) || isNaN(tipPercentage) ||
isNaN(numberOfPeople)) {
            alert('Please enter valid numbers.');
```

```
        alert('Please enter positive numbers.');
```

```
        return;
```

```
    }
```

```
    var tipAmount = (billAmount * (tipPercentage / 100)) / numberOfPeople;
```

```
    document.getElementById('tipAmount').innerText = 'Tip Amount per
```

```
Person: $' + tipAmount.toFixed(2);
```

```
    }
```

```
</script>
```

```
</body>
```

```
</html>
```

## Tip Calculator

Bill Amount (\$)

Tip Percentage (%)

Number of People

Calculate Tip

**Tip Amount per Person: \$3.29**