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```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Simple Web Page</title>
<style>
  .spin {
    animation: spin 1s linear 1;
  }
  @keyframes spin {
    100% { transform: rotate(360deg) ;
  }
}
</style>
</head>
<body>
  <h2 id="heading">Hello</h2>
  <input type="text" id="textInput">
  <button onclick="replaceHeading()">Replace</button>

  <script>
    function replaceHeading() {
      const userInput = document.getElementById('textInput').value;
      document.getElementById('heading').innerText = userInput;
      document.getElementById('heading').classList.add('spin');
    }
  </script>
</body>
</html>
```

m

Replace

> lab5.2.html > html

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```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Count Button</title>
  <style>
    #count {
      font-size: 16px; /* Initial font size */
    }
  </style>
</head>
<body>
  <p id="count">0</p> <!-- Initial count value -->
  <button onclick="incrementCount()">Increment</button>
  <script>
    function incrementCount() {
      let countParagraph = document.getElementById("count");
      let currentCount = parseInt(countParagraph.innerText);
      currentCount++; // Increment count
      countParagraph.innerText = currentCount; // Update paragraph text
      countParagraph.style.fontSize = `${16 + currentCount}px`; // Upda
    }
  </script>
</body>
</html>
```

← → ↺ http://127.0.0.1:3000/lab\_3/lab5.2.html

5

Increment

```
lab5.3.html > html > style
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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>List of Numbers</title>
</head>
<style>
  ul{
    list-style-type: none;
  }
</style>
<body>
  <ul id="numberList"></ul>
  <button onclick="addNumber()">Add Number</button>
  <script>
    let count = 0;

    function addNumber() {
      count++; // Increment count
      let listItem = document.createElement("li"); // Create a new list
      listItem.textContent = count;
      document.getElementById("numberList").appendChild(listItem);
    }
  </script>
</body>
</html>
```

← → ↺ http://127.0.0.1:3000/lab\_3/lab5.3.html

1  
2  
3  
4  
5

Add Number

lab5.4.html > html > body > script

```
border: 1px solid black;
}

</style>
<body>
  <table id="sumTable">
    <tr>
      <td>1</td>
      <td>1</td>
    </tr>
    <tr>
      <td>1</td>
      <td>2</td>
    </tr>
  </table>
  <button onclick="addRow()">Add Row</button>
</script>

function addRow() {
  let table = document.getElementById("sumTable");
  let rows = table.getElementsByTagName("tr");
  let lastRow = rows[rows.length - 1];
  let previousRow = lastRow.previousElementSibling;
  let newSum = parseInt(lastRow.lastElementChild.innerText) +
    parseInt(previousRow.lastElementChild.innerText);
  let newRow = document.createElement("tr");
  let cell1 = document.createElement("td");
  cell1.innerText = lastRow.children[0].innerText;
  let cell2 = document.createElement("td");
  cell2.innerText = newSum;
  newRow.appendChild(cell1);
  newRow.appendChild(cell2);
  table.appendChild(newRow);
}

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

← → ↺

http://127.0.0.1:3000/lab\_3/lab5.4.html

1	1
1	2
1	3
1	4

Add Row

lab5.5.html > ...

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

<script>

```
function calculate(operation) {
  let input1 = document.getElementById("input1").value;
  let input2 = document.getElementById("input2").value;
  let result = document.getElementById("result");
```

```
  let value1 = Number.parseInt(input1);
  let value2 = Number.parseInt(input2);
```

```
  let output;
```

```
  switch (operation) {
```

```
    case '+':
```

```
      output = value1 + value2;
```

```
      break;
```

```
    case '-':
```

```
      output = value1 - value2;
```

```
      break;
```

```
    case '*':
```

```
      output = value1 * value2;
```

```
      break;
```

```
    case '/':
```

```
      output = value1 / value2;
```

```
      break;
```

```
    default:
```

```
      output = "Invalid operation";
```

```
  }
```

```
  result.innerText = `Result: ${output}`;
```

← → ↺ http://127.0.0.1:3000/lab\_3/lab5.5.html

5 3

+ - \* /

Result: 8



```
lab5.5.html > ...  
  
let input2 = document.getElementById("input2").value;  
let result = document.getElementById("result");  
  
let value1 = Number.parseInt(input1);  
let value2 = Number.parseInt(input2);  
  
let output;  
switch (operation) {  
  case '+':  
    output = value1 + value2;  
    break;  
  case '-':  
    output = value1 - value2;  
    break;  
  case '*':  
    output = value1 * value2;  
    break;  
  case '/':  
    output = value1 / value2;  
    break;  
  default:  
    output = "Invalid operation";  
}  
  
result.innerText = `Result: ${output}`;  
}  
</script>  
</body>  
</html>
```

← → ↺ http://127.0.0.1:3000/lab\_3/lab5.5.html

Result: 2

```
ul {  
  list-style-type: upper-roman;  
  margin-top: 10px;  
}  
</style>  
</head>  
<body>  
  <button onclick="makePage();">Click Here</button>  
  <script>  
    function makePage() {  
  
      const h1 = document.createElement("h1");  
      h1.textContent = "I am an H1";  
      const p = document.createElement("p");  
      p.textContent = "This is a paragraph followed by a list";  
      const ul = document.createElement("ul");  
      const listItems = [  
        "This is first",  
        "This is second"  
      ];  
      listItems.forEach(itemText => {  
        const li = document.createElement("li");  
        li.textContent = itemText;  
        ul.appendChild(li);  
      });  
      document.body.appendChild(h1);  
      document.body.appendChild(p);  
      document.body.appendChild(ul);  
    }  
  </script>  
</body>  
</html>
```

[Click Here](#)

# I am an H1

This is a paragraph followed by a list

- This is first
- This is second

# I am an H1

This is a paragraph followed by a list

- This is first
- This is second

lab5.7.html > html > body > script > calculateTip

```
<body>
  <div class="container">
    <h1>Tip Calculator</h1>
    <p>Tip Percentage: <span id="tipPercentage">15</span>%</p>
    <input type="range" min="0" max="30" value="15" step="1"
    oninput="updateTipPercentage(this.value)">
    <p>Number of People: <span id="numPeople">1</span></p>
    <input type="range" min="1" max="10" value="1" step="1"
    oninput="updateNumPeople(this.value)">
    <p>Total Tip: $<span id="totalTip">0.00</span></p>
  </div>

  <script>
    function updateTipPercentage(value) {
      document.getElementById("tipPercentage").textContent = value;
      calculateTip();
    }

    function updateNumPeople(value) {
      document.getElementById("numPeople").textContent = value;
      calculateTip();
    }

    function calculateTip() {
      let billAmount = 100; // You can change this value to reflect
      the actual bill amount
      let tipPercentage = parseInt(document.getElementById(
        "tipPercentage").textContent);
      let numPeople = parseInt(document.getElementById("numPeople").
        textContent);

      let totalTip = (billAmount * tipPercentage / 100) / numPeople;

      document.getElementById("totalTip").textContent = totalTip.
        toFixed(2);
    }
  </script>
```

← → ↺ http://127.0.0.1:3000/lab\_3/lab5.7.html

## Tip Calculator

Tip Percentage: 15%



Number of People: 2



Total Tip: \$7.50