

# Lab-5

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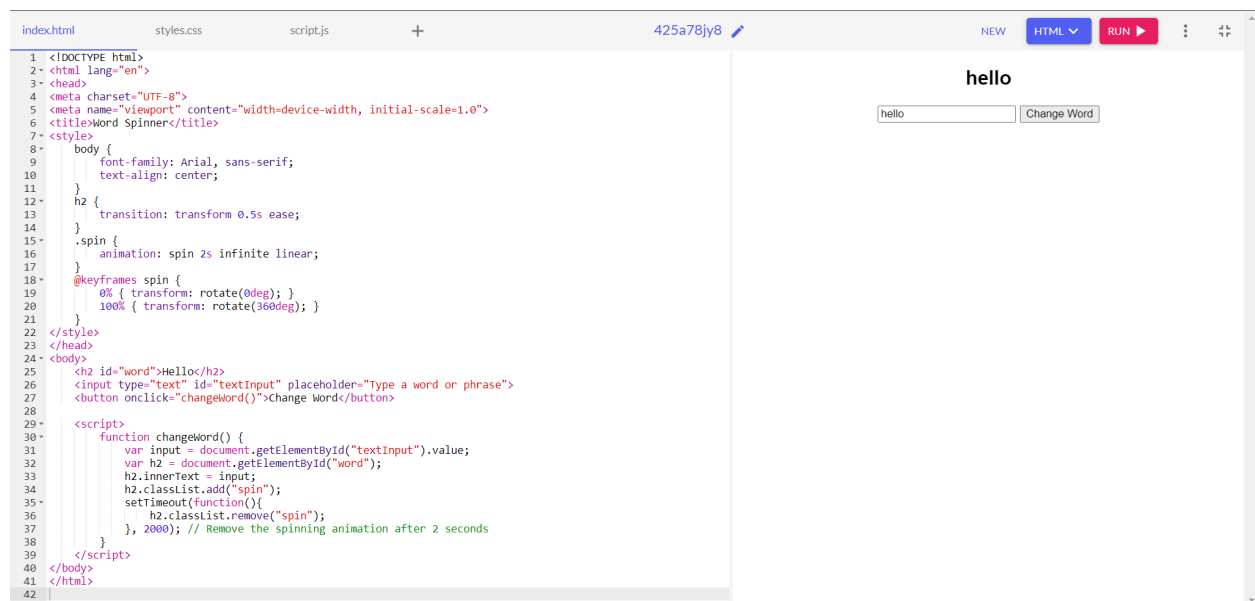
```
1.<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Word Spinner</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  h2 {
    transition: transform 0.5s ease;
  }
  .spin {
    animation: spin 2s infinite linear;
  }
  @keyframes spin {
    0% { transform: rotate(0deg); }
    100% { transform: rotate(360deg); }
  }
</style>
</head>
<body>
  <h2 id="word">Hello</h2>
  <input type="text" id="textInput" placeholder="Type a word or phrase">
  <button onclick="changeWord()">Change Word</button>

  <script>
    function changeWord() {
      var input = document.getElementById("textInput").value;
      var h2 = document.getElementById("word");
```

```

        h2.innerText = input;
        h2.classList.add("spin");
        setTimeout(function(){
            h2.classList.remove("spin");
        }, 2000); // Remove the spinning animation after 2 seconds
    }
</script>
</body>
</html>

```



2.<!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 {

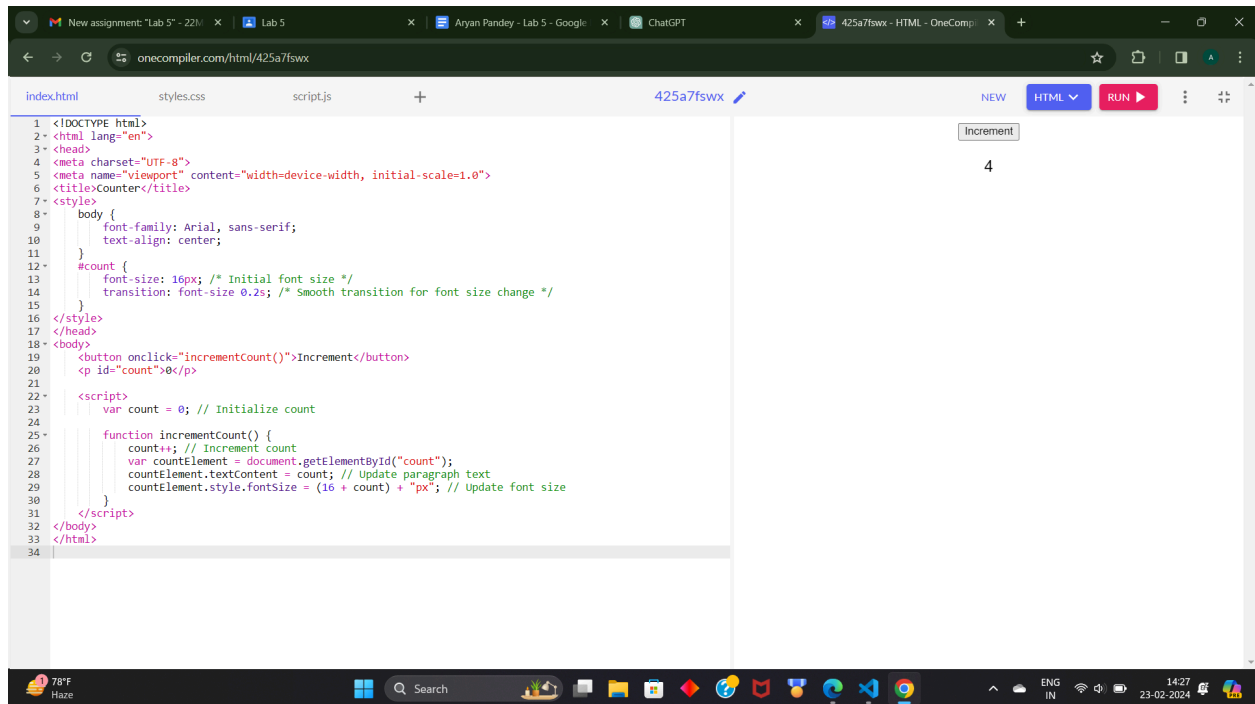
font-family: Arial, sans-serif;

text-align: center;

```
}
#count {
    font-size: 16px; /* Initial font size */
    transition: font-size 0.2s; /* Smooth transition for font size change */
}
</style>
</head>
<body>
    <button onclick="incrementCount()">Increment</button>
    <p id="count">0</p>

    <script>
        var count = 0; // Initialize count

        function incrementCount() {
            count++; // Increment count
            var countElement = document.getElementById("count");
            countElement.textContent = count; // Update paragraph text
            countElement.style.fontSize = (16 + count) + "px"; // Update font size
        }
    </script>
</body>
</html>
```



3.<!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;

text-align: center;

}

#count-list {

list-style-type: none; /\* Remove default list styling \*/

padding: 0;

}

.count-item {

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

transition: font-size 0.2s; /\* Smooth transition for font size change \*/

}

</style>

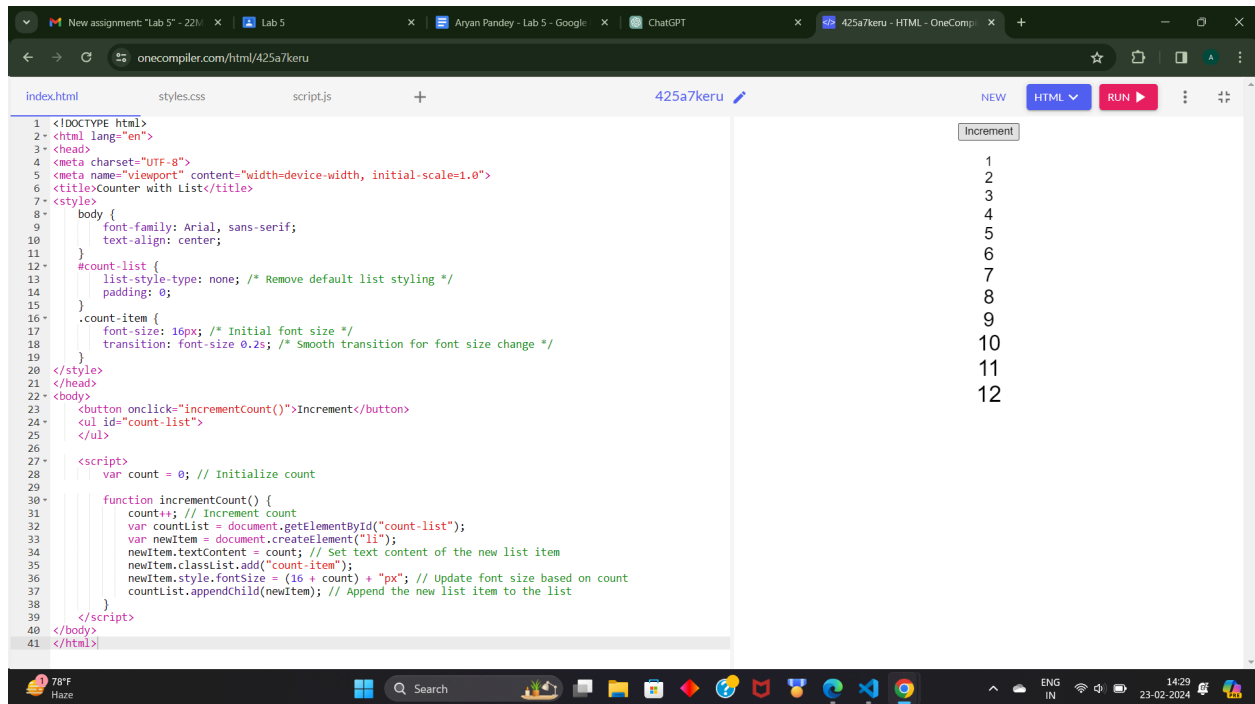
</head>

<body>

```
<button onclick="incrementCount()">Increment</button>
<ul id="count-list">
</ul>

<script>
    var count = 0; // Initialize count

    function incrementCount() {
        count++; // Increment count
        var countList = document.getElementById("count-list");
        var newItem = document.createElement("li");
        newItem.textContent = count; // Set text content of the new list item
        newItem.classList.add("count-item");
        newItem.style.fontSize = (16 + count) + "px"; // Update font size based on
count
        countList.appendChild(newItem); // Append the new list item to the list
    }
</script>
</body>
</html>
```



4.<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Add Rows with Sum</title>

<style>

table {  
border-collapse: collapse;  
width: 100%;

}

th, td {  
border: 1px solid #ddd;  
padding: 8px;  
text-align: center;

}

th {  
background-color: #f2f2f2;

}

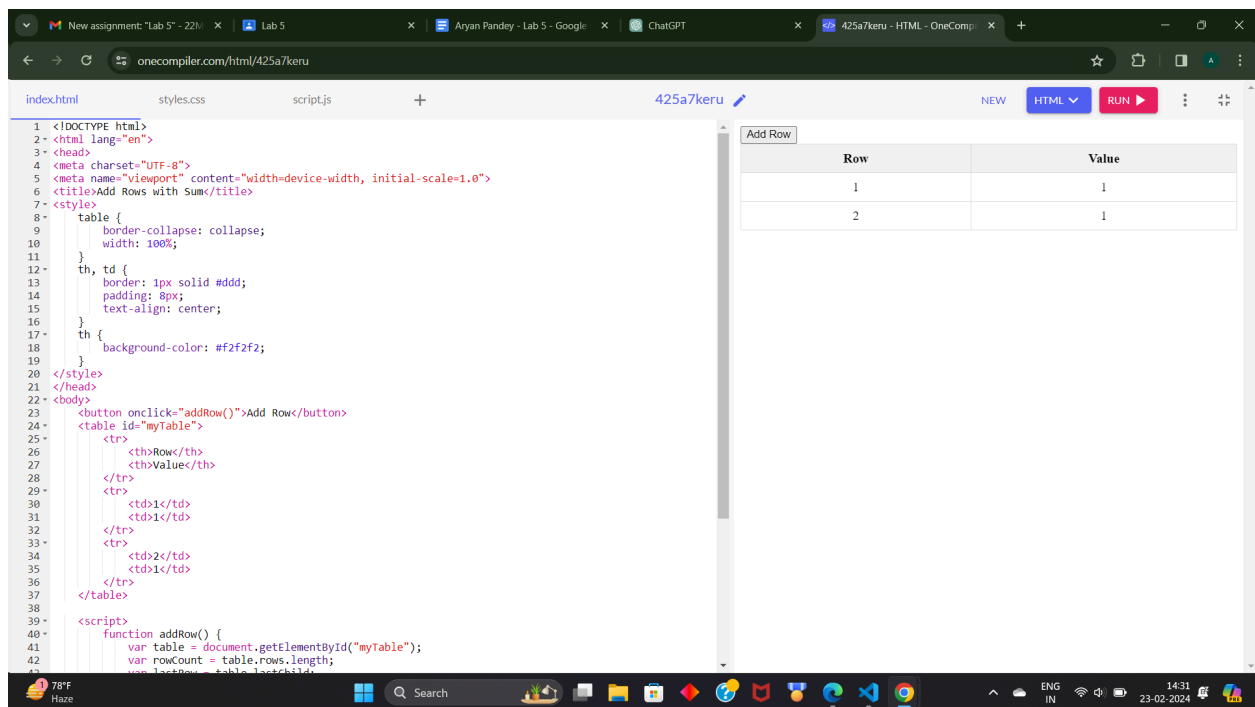
</style>

</head>

```
<body>
  <button onclick="addRow()">Add Row</button>
  <table id="myTable">
    <tr>
      <th>Row</th>
      <th>Value</th>
    </tr>
    <tr>
      <td>1</td>
      <td>1</td>
    </tr>
    <tr>
      <td>2</td>
      <td>1</td>
    </tr>
  </table>

  <script>
    function addRow() {
      var table = document.getElementById("myTable");
      var rowCount = table.rows.length;
      var lastRow = table.lastChild;
      var lastValue = parseInt(lastRow.lastChild.innerText);
      var secondLastRow = lastRow.previousSibling;
      var secondLastValue = parseInt(secondLastRow.lastChild.innerText);
      var sum = lastValue + secondLastValue;

      var newRow = table.insertRow(rowCount);
      var cell1 = newRow.insertCell(0);
      var cell2 = newRow.insertCell(1);
      cell1.innerText = rowCount;
      cell2.innerText = sum;
    }
  </script>
</body>
</html>
```



5.<!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>

.container {

text-align: center;

margin-top: 50px;

}

input[type="text"] {

padding: 5px;

margin: 5px;

}

button {

padding: 10px 20px;

margin: 5px;

cursor: pointer;

}



```

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

<div class="container">
    <input type="text" id="input1" placeholder="Enter a number">
    <input type="text" id="input2" placeholder="Enter another number">
    <br>
    <button onclick="add()">+</button>
    <button onclick="subtract()">-</button>
    <button onclick="multiply()">*</button>
    <button onclick="divide()">/</button>
    <div id="result"></div>
</div>

<script>
    function add() {
        var num1 = parseInt(document.getElementById('input1').value);
        var num2 = parseInt(document.getElementById('input2').value);
        document.getElementById('result').innerHTML = "Result: " + (num1 + num2);
    }

    function subtract() {
        var num1 = parseInt(document.getElementById('input1').value);
        var num2 = parseInt(document.getElementById('input2').value);
        document.getElementById('result').innerHTML = "Result: " + (num1 - num2);
    }

    function multiply() {
        var num1 = parseInt(document.getElementById('input1').value);
        var num2 = parseInt(document.getElementById('input2').value);
        document.getElementById('result').innerHTML = "Result: " + (num1 * num2);
    }

    function divide() {
        var num1 = parseInt(document.getElementById('input1').value);

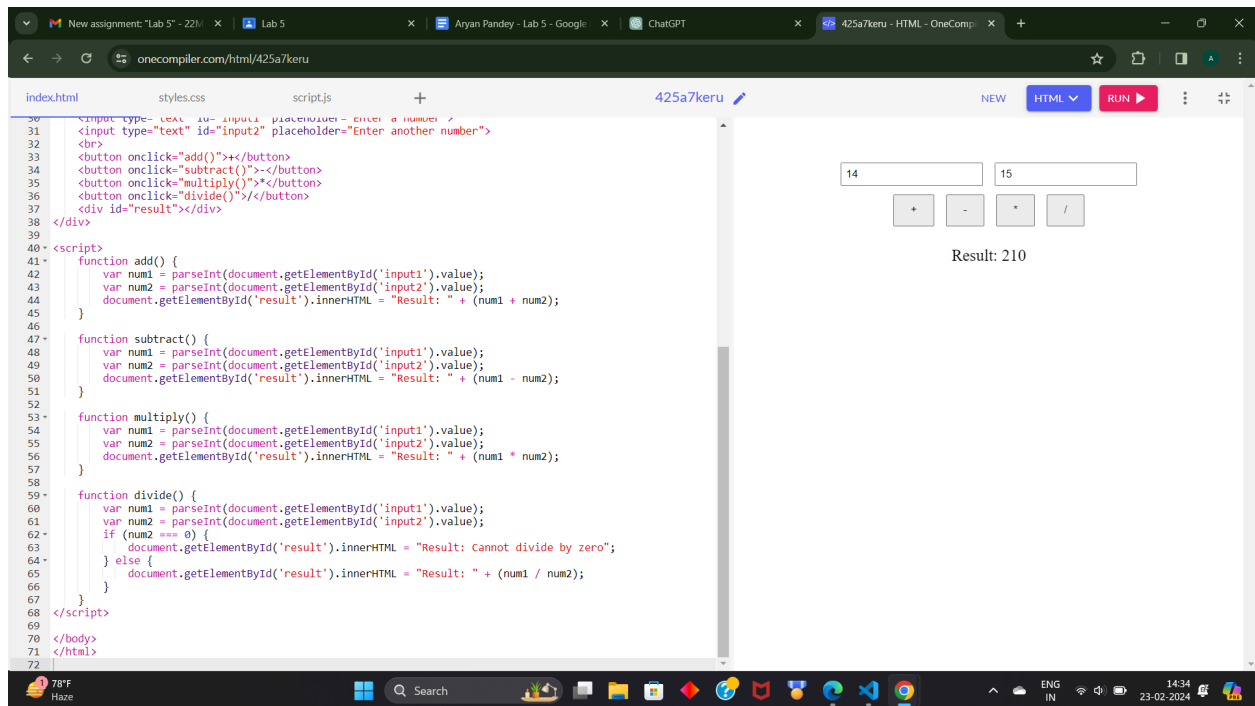
```

```

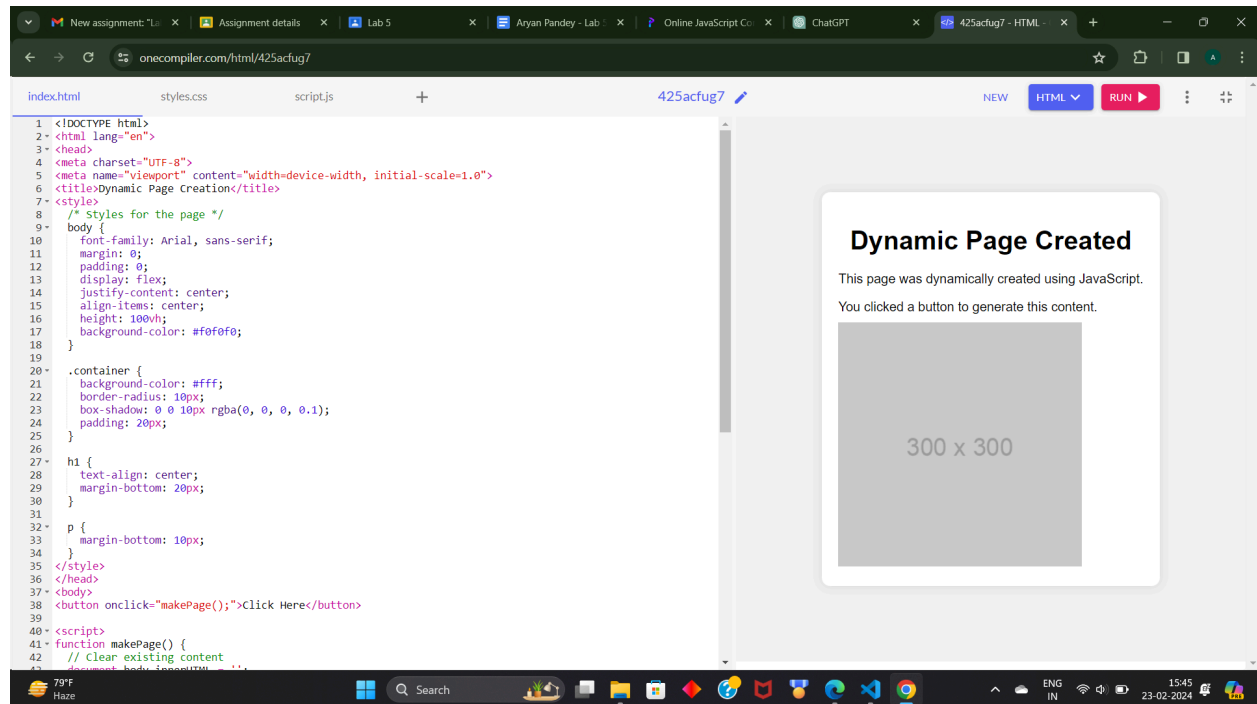
var num2 = parseInt(document.getElementById('input2').value);
if (num2 === 0) {
    document.getElementById('result').innerHTML = "Result: Cannot divide by
zero";
} else {
    document.getElementById('result').innerHTML = "Result: " + (num1 /
num2);
}
}
</script>

</body>
</html>

```



6.



```
<!DOCTYPE html>
```

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

```
<head>
```

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

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

```
<title>Dynamic Page Creation</title>
```

```
<style>
```

```
/* Styles for the page */
```

```
body {
```

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

```
    margin: 0;
```

```
    padding: 0;
```

```
    display: flex;
```

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

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

```
    height: 100vh;
```

```
    background-color: #f0f0f0;
```

```
}
```

```
.container {
```

```
    background-color: #fff;
```

```

    border-radius: 10px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    padding: 20px;
}

h1 {
    text-align: center;
    margin-bottom: 20px;
}

p {
    margin-bottom: 10px;
}
</style>
</head>
<body>
<button onclick="makePage();">Click Here</button>

<script>
function makePage() {
    // Clear existing content
    document.body.innerHTML = "";

    // Create container div
    var container = document.createElement('div');
    container.classList.add('container');

    // Create and append elements
    var heading = document.createElement('h1');
    heading.textContent = 'Dynamic Page Created';

    var paragraph1 = document.createElement('p');
    paragraph1.textContent = 'This page was dynamically created using
JavaScript.';

    var paragraph2 = document.createElement('p');
    paragraph2.textContent = 'You clicked a button to generate this content.';

    var image = document.createElement('img');
    image.src = 'https://via.placeholder.com/300'; // Placeholder image URL

```

```
// Append elements to container
container.appendChild(heading);
container.appendChild(paragraph1);
container.appendChild(paragraph2);
container.appendChild(image);

// Append container to body
document.body.appendChild(container);
}
</script>
</body>
</html>
```

```
7.<!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;
    text-align: center;
  }
  .container {
    margin-top: 50px;
  }
  input[type="number"] {
    padding: 10px;
    margin: 10px;
  }
  input[type="range"] {
    width: 80%;
    margin: 10px;
  }
  #tipAmount {
    font-size: 24px;
```

```

        margin-top: 20px;
    }
</style>
</head>
<body>

<div class="container">
    <label for="billAmount">Bill Amount: $</label>
    <input type="number" id="billAmount" min="0" step="0.01">
    <br>
    <label for="tipPercentage">Tip Percentage: <span
id="tipPercentageValue">10</span>%</label>
    <input type="range" id="tipPercentage" min="0" max="100" value="10">
    <br>
    <label for="split">Split With: <span id="splitValue">1</span> person(s)</label>
    <input type="range" id="split" min="1" max="10" value="1">
    <br>
    <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 split = parseInt(document.getElementById('split').value);

    var tipAmount = (billAmount * (tipPercentage / 100)) / split;

    document.getElementById('tipAmount').textContent = "Tip Amount per person:
$" + tipAmount.toFixed(2);
}

document.getElementById('tipPercentage').addEventListener('input', function() {
    document.getElementById('tipPercentageValue').textContent = this.value;
});

document.getElementById('split').addEventListener('input', function() {
    document.getElementById('splitValue').textContent = this.value;
});

```

```
});  
</script>
```

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

