

T1->

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"> <meta name="viewport"
content="width=device-width, initial-scale=1.0">
<title>Dynamic Text Replacement</title>
</head>
<body>

<div id="container">
  <h2><span id="dynamicText">Hello</span></h2>
<input type="text" id="textInput" placeholder="Type
here">
  <button onClick="replaceText()">Replace
Text</button>
</div>

<script>  function replaceText() {    const
newText =
document.getElementById('textInput').value;
const dynamicText =
document.getElementById('dynamicText');
dynamicText.innerText = newText;
dynamicText.parentElement.classList.add('spin');
  }
</script>

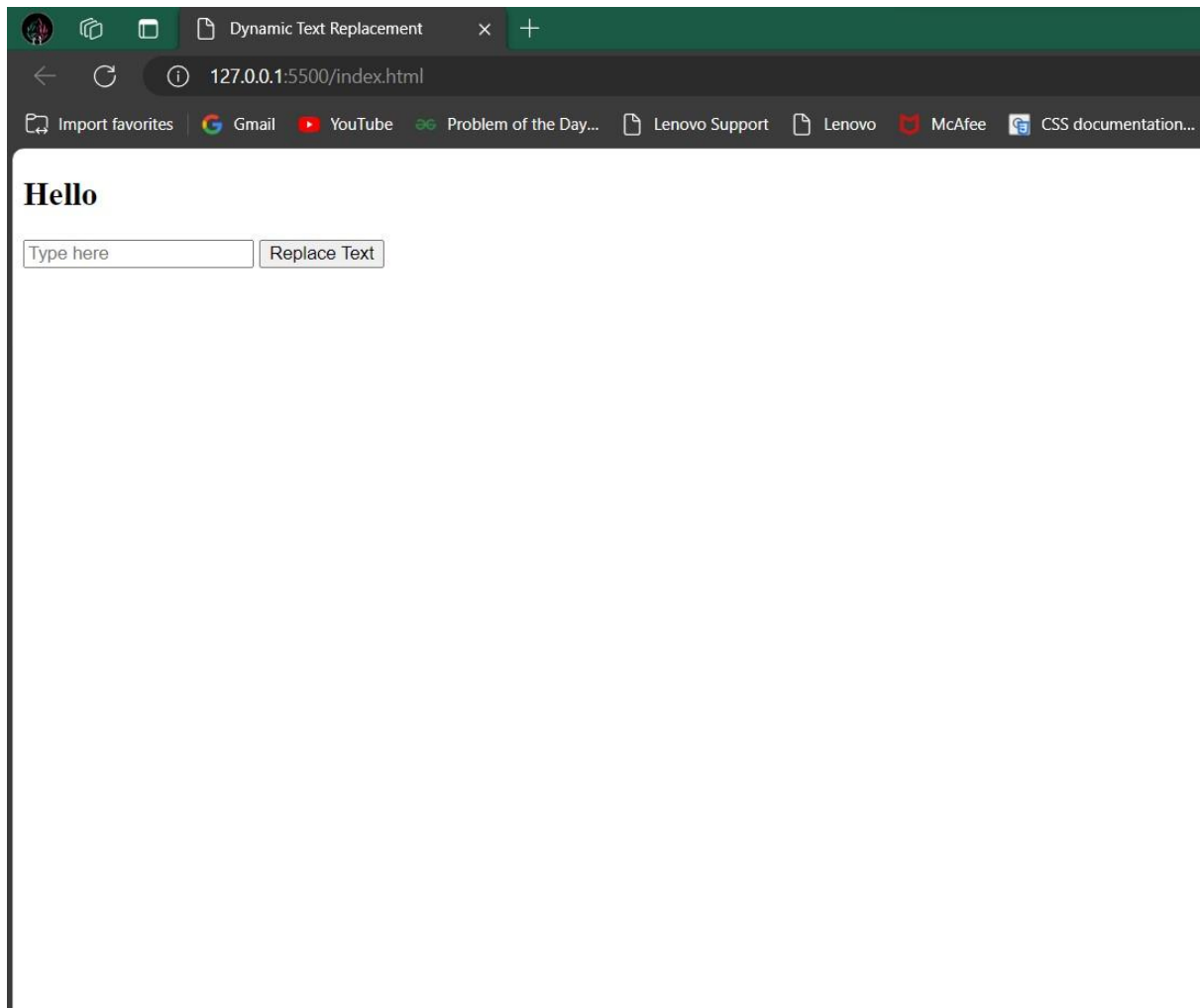
<style>  .spin {    animation: spin
2s linear infinite;
```

```
transform-origin: center;
}
```

```
@keyframes spin {      from
{      transform:
rotate(0deg);
      }      to {      transform:
rotate(360deg);
      }
}
</style>

</body>
</html>
```

Output:



T2

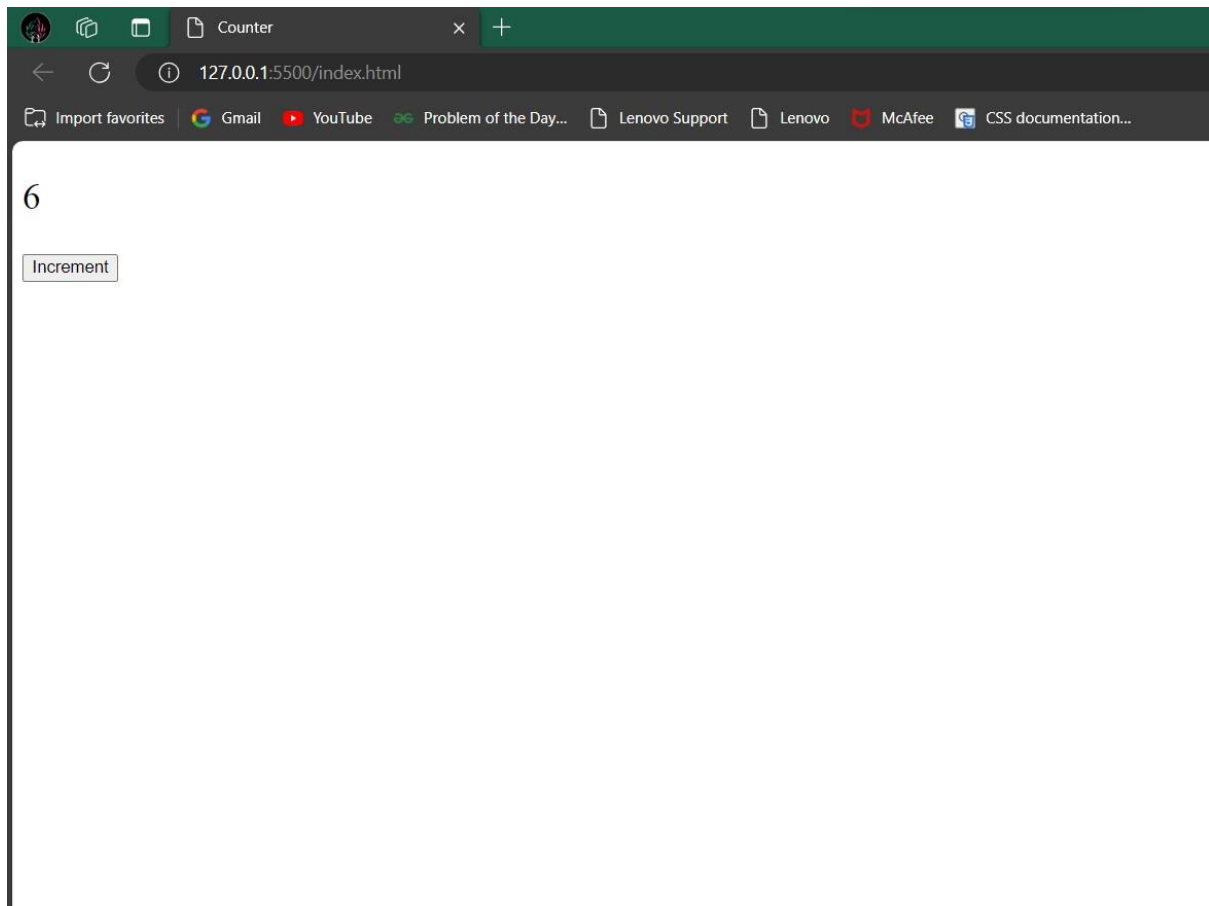
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"> <meta name="viewport"
content="width=device-width, initial-scale=1.0">
<title>Counter</title>
<style>
#count {
    font-size: 16px;
}
</style>
</head>
<body>
```

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

```
<script>  let count = 0;  const
countElement =
document.getElementById('count');
  function incrementCount() {
count++;    countElement.innerText
= count;    updateFontSize();
  }  function updateFontSize() {    const
fontSize = 16 + count * 2;
countElement.style.fontSize = `${fontSize}px`;
  }
</script>

</body>
</html>
```

Output:



T3 7

Code:

```
<!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;
padding: 0;
    }
</style>
```

```
</head>
```

```
<body>
```

```
<ul id="countList"></ul>
```

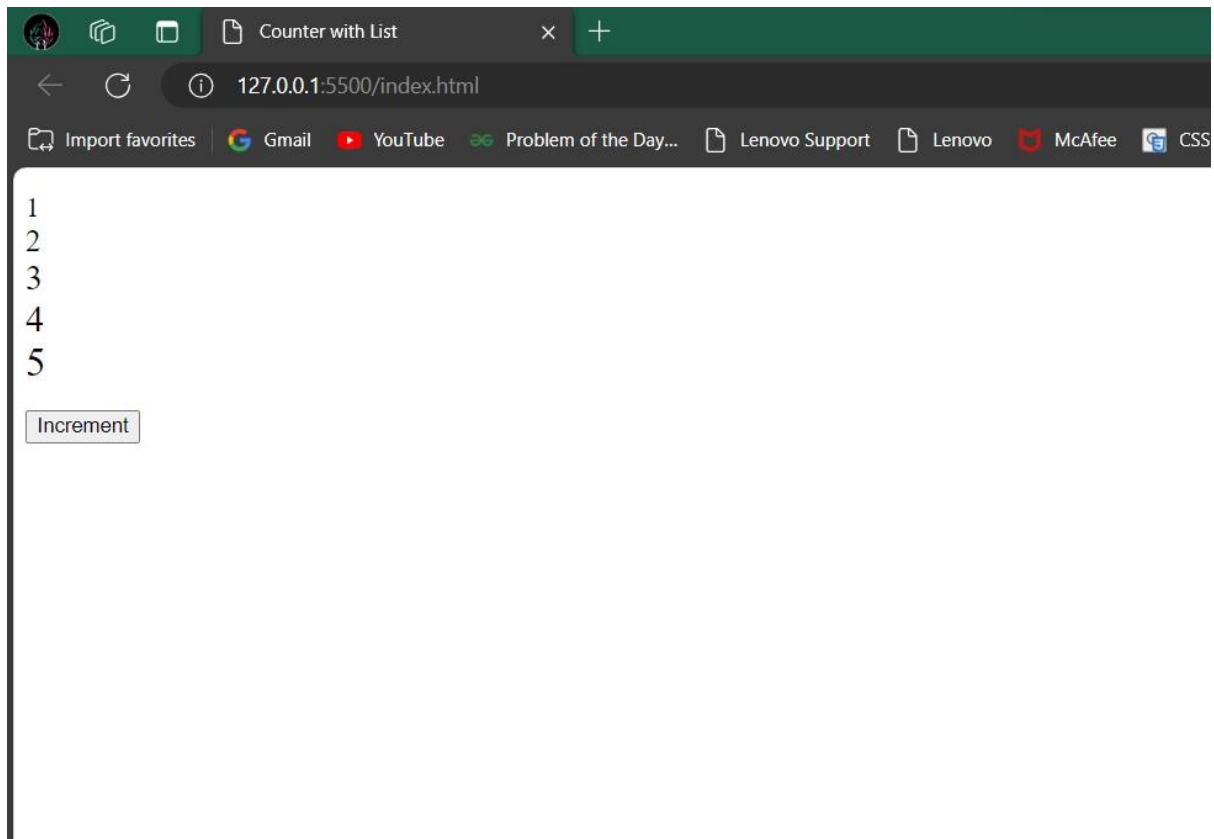
```
<button onclick="incrementCount()">Increment</button>
```

```
<script>  let count = 0;  const
countList =
document.getElementById('countList');
  function incrementCount() {    count++;
const newItem = document.createElement('li');
newItem.textContent = count;
updateFontSize(newItem);
countList.appendChild(newItem);
  }  function updateFontSize(item) {    const
fontSize = 16 + count * 2; // Increase font size by
2px for each increment    item.style.fontSize =
`${fontSize}px`;
  }
</script>
```

```
</body>
```

```
</html>
```

Output:



T4 7

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"> <meta name="viewport"
content="width=device-width, initial-scale=1.0">
<title>Add Row with Sum</title>
</head>
<body>

<table id="dataTable" border="1">
  <tr>
    <th>Number</th>
  </tr>
  <tr>
    <td>1</td>
  </tr>
```



```
<tr>  
  <td>1</td>
```



```
    </tr>
</table>

<button onClick="addRowWithSum()">Add Row with
Sum</button>

<script>  function addRowWithSum() {      const
table = document.getElementById('dataTable');
const rows = table.getElementsByTagName('tr');
        const lastRow = rows[rows.length
- 1];
        const prevRow = lastRow.previousElementSibling;
        const sum =
parseInt(lastRow.lastElementChild.innerText) +
parseInt(prevRow.lastElementChild.innerText);
        const newRow =
document.createElement('tr');      const newData =
document.createElement('td');
newData.innerText = sum;

newRow.appendChild(newData);
table.appendChild(newRow);
    }
</script>

</body>
</html>
```

Output:

Number
1
1
2
3
5
8


Add Row with Sum

T5

Code:

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

<script>  function
calculate(operator) {      const
input1 =
Number.parseInt(document.getElementById('input1').valu
e);
    const input2 =
Number.parseInt(document.getElementById('input2').valu
e);    let 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';
```

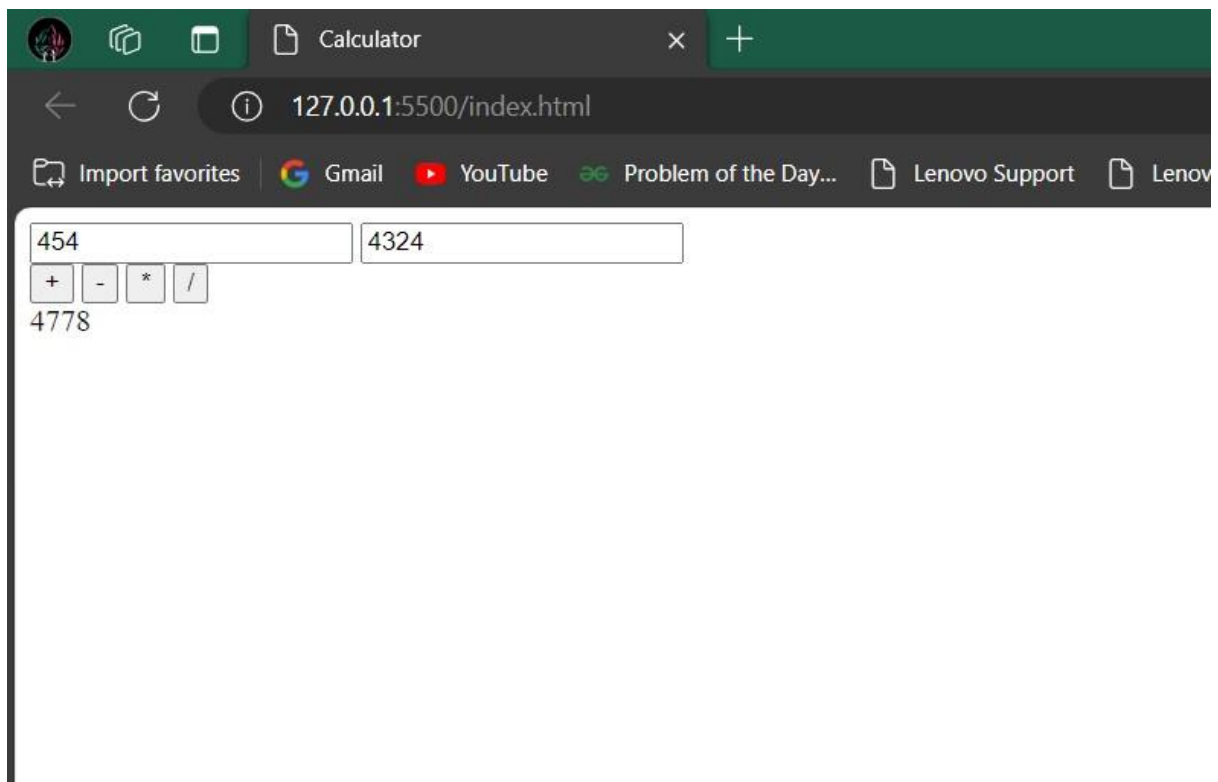
```

    }
    break;
    default:
        result = 'Invalid operator';
    }
    document.getElementById('result').innerText =
    result; }
</script>

</body>
</html>

```

Output:



T67

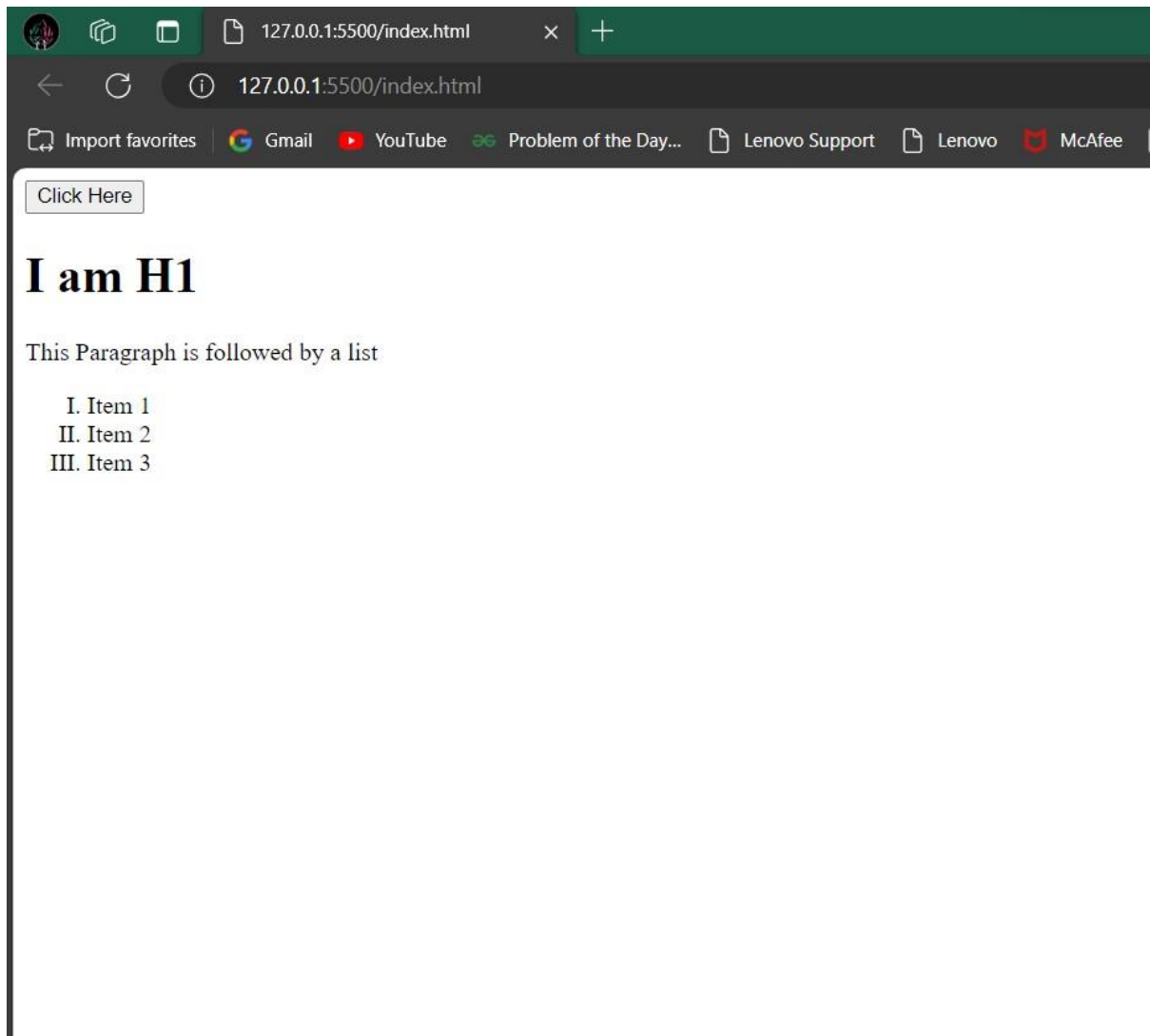


Code:

```
<html>
<body>
<button onClick="makePage();">Click Here</button>
```

```
</body> <script>    function makePage(){
let x = document.createElement("h1");
    x.textContent = "I am H1";           let para =
document.createElement("p");           para.textContent
= "This Paragraph is followed by a list";
    let list =
document.createElement("ol");           list.type
= "I"           for (let i = 1; i <= 3; i++) {
let listItem = document.createElement("li");
listItem.textContent = `Item ${i}`;
list.appendChild(listItem);
    }
    document.body.appendChild(x);
document.body.appendChild(para);
document.body.appendChild(list);
    }
</script>
</html>
```

Output:



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>
</head>
<body>

<div>
```



```
<label for="amount">Amount:</label>
<input type="number" id="amount" min="0"
step="0.01">
</div>
<div>
  <label for="tipPercentage">Tip Percentage:</label>
  <input type="number" id="tipPercentage" min="0"
step="1">
  <span>%</span>
</div>
<div>
  <label for="numPeople">Number of People:</label>
  <input type="number" id="numPeople" min="1" step="1">
</div>
<button onclick="calculateTip()">Calculate
Tip</button>
<div id="result"></div>

<script>  function calculateTip() {    const amount
= parseFloat(document.getElementById('amount').value);
const tipPercentage =
parseFloat(document.getElementById('tipPercentage').va
lue);    const numPeople =
parseInt(document.getElementById('numPeople').value);
    if (isNaN(amount) || isNaN(tipPercentage) ||
isNaN(numPeople) || amount <= 0 || tipPercentage < 0
|| numPeople < 1) {
document.getElementById('result').innerText =
'Please enter valid values';
```

```

        return;
    }
    const tipAmount = (amount * tipPercentage)
/ 100;
    const totalAmount = amount + tipAmount;
    const amountPerPerson = totalAmount / numPeople;
    document.getElementById('result').innerText
=
`Tip: ${tipAmount.toFixed(2)} | Total:
${totalAmount.toFixed(2)} | Per Person:
${amountPerPerson.toFixed(2)}`;
    }
</script>

</body>
</html>

```

Output:

Tip Calculator

127.0.0.1:5500/index.html

Amount:

Tip Percentage:  %

Number of People:

Tip: \$49584.96 | Total: \$204537.96 | Per Person: \$6391.81

