

WEB TECHNOLOGY LAB

Assignment- 5

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T1:

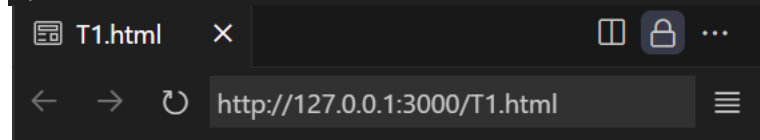
```
<html>
<head>
  <style>
    body {
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
      font-family: Arial, sans-serif;
    }
    h2 {
      transition: transform 0.5s ease-in-out;
    }
    .spin {
      animation: spin 1s linear;
    }
    @keyframes spin {
      0% { transform: rotate(0deg); }
      100% { transform: rotate(360deg); }
    }
  </style>
</head>
<body>
  <h2 id="A">Hello</h2>
  <input type="text" id="B" placeholder="Enter a word or phrase">
  <button onclick="changeText()">Change Text</button>
  <script>
    function changeText() {
      var inputText = document.getElementById('B').value;
      var dynamicText = document.getElementById('A');

      if (inputText.trim() !== '') {
        dynamicText.classList.add('spin');

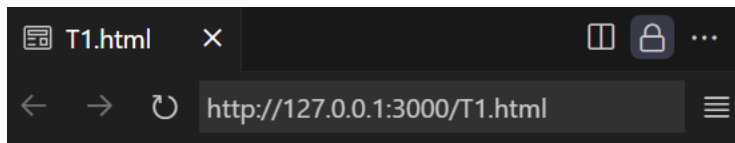
        setTimeout(function () {
          dynamicText.innerText = inputText;

          setTimeout(function () {
            dynamicText.classList.remove('spin');
          }, 500);
        }, 500);
      }
    }
  </script>
</body>
</html>
```

```
        }, 50);
    }
}
</script>
</body>
</html>
```



Hello



T2:

```
<html>
<head>
  <style>
    body {
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
      font-family: Arial, sans-serif;
    }
    #count {
      font-size: 16px;
      transition: font-size 0.2s ease-in-out;
    }
  </style>
</head>
<body>
  <button onclick="incrementCount()">Increment Count</button>
  <p id="count">0</p>
  <script>
    var count = 0;
    function incrementCount() {
```

```
        count++;  
        updateCount();  
    }  
    function updateCount() {  
        var countElement = document.getElementById('count');  
        countElement.innerText = count;  
        var fontSize = 16 + count * 2;  
        countElement.style.fontSize = fontSize + 'px';  
    }  
</script>  
</body>  
</html>
```

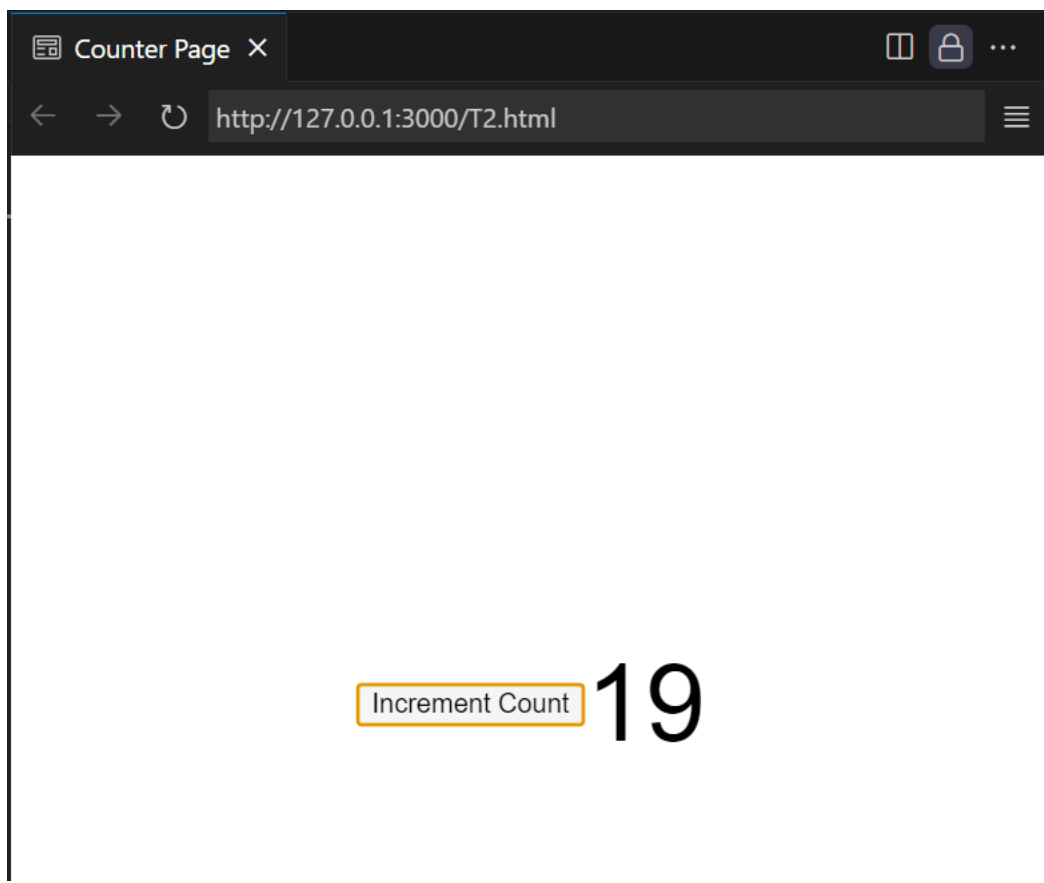
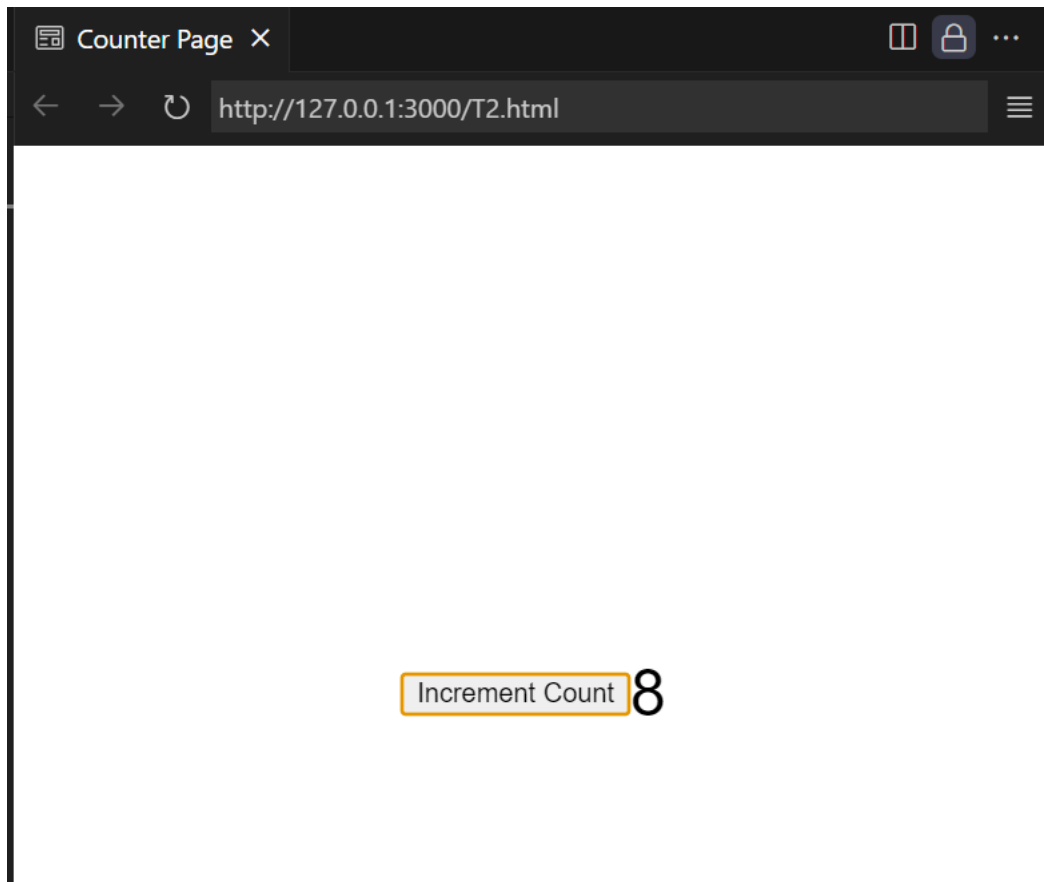
Counter Page X



← → ↺ http://127.0.0.1:3000/T2.html

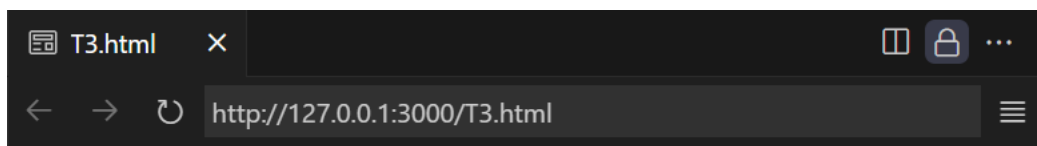
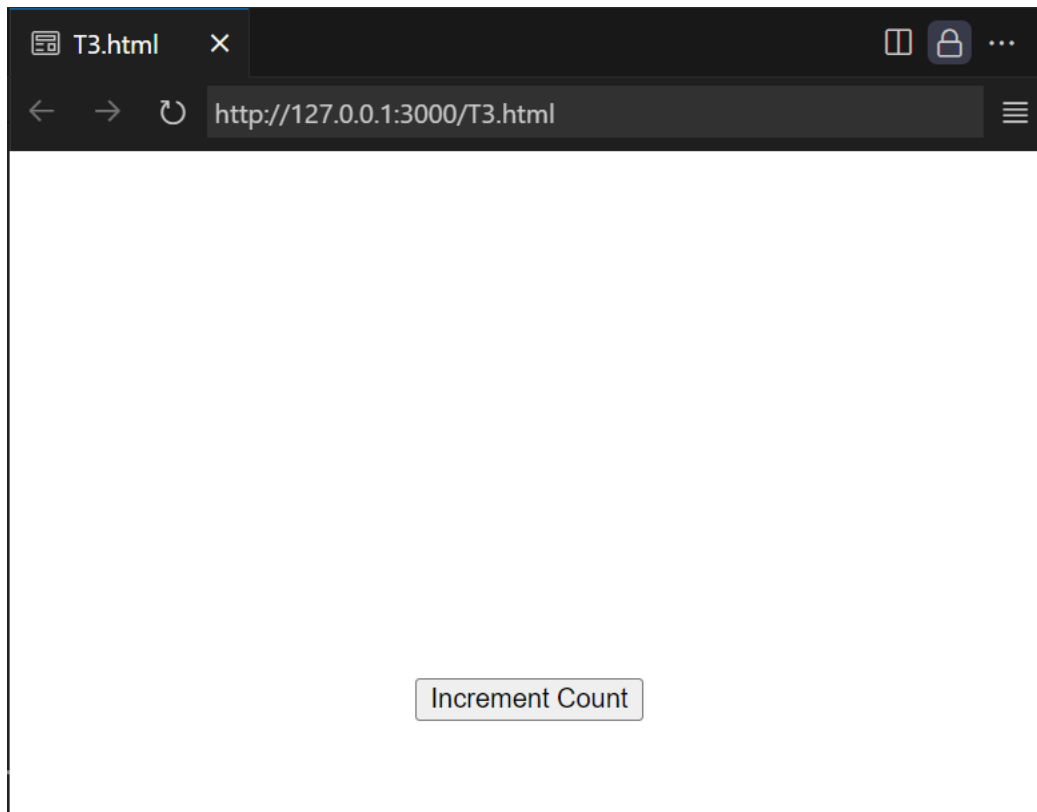


Increment Count 0



T3:

```
<html>
<head>
  <style>
    body {
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
      font-family: Arial, sans-serif;
    }
    #countList {
      list-style-type: none;
      padding: 0;
    }
    .countItem {
      font-size: 16px;
      transition: font-size 0.2s ease-in-out;
    }
  </style>
</head>
<body>
  <button onclick="incrementCount()">Increment Count</button>
  <ul id="countList"></ul>
  <script>
    var count = 0;
    function incrementCount() {
      count++;
      updateCount();
    }
    function updateCount() {
      var countList = document.getElementById('countList');
      var listItem = document.createElement('li');
      listItem.classList.add('countItem');
      listItem.innerText = count;
      var fontSize = 16 + count * 2;
      listItem.style.fontSize = fontSize + 'px';
      countList.appendChild(listItem);
    }
  </script>
</body>
</html>
```



1
2
3
4
5
6
7
8

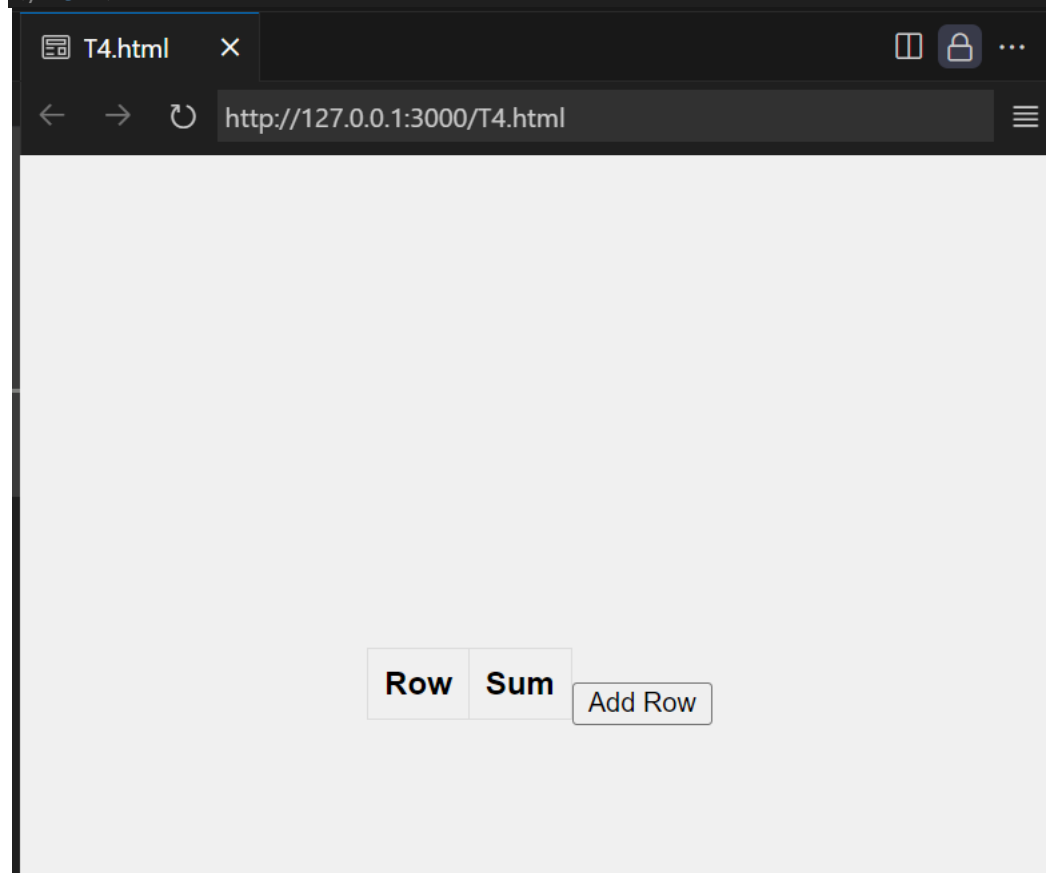
Increment Count

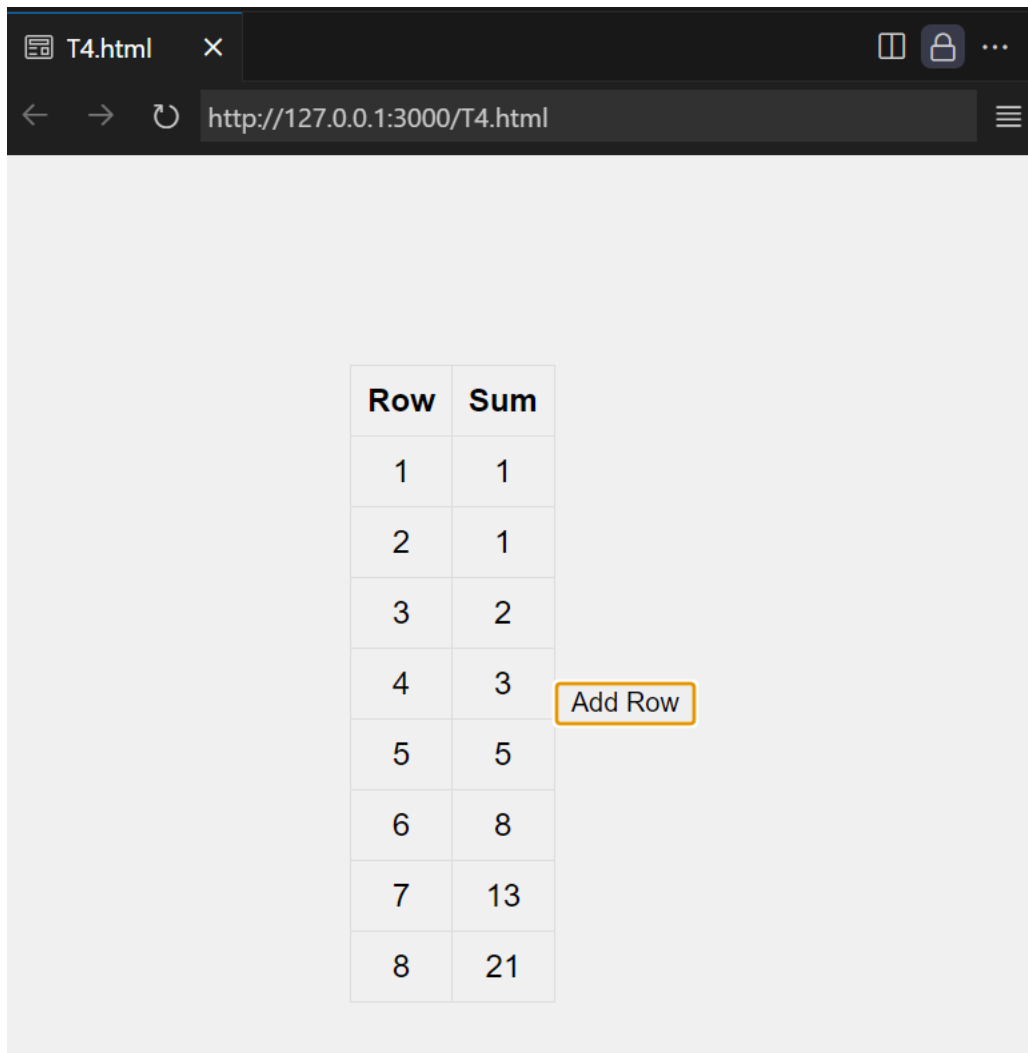
T4:

```
<html>
<head>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }
  table {
    border-collapse: collapse;
    margin-bottom: 20px;
  }
  th, td {
    border: 1px solid #ddd;
    padding: 8px;
    text-align: center;
  }
</style>
</head>
<body>
<table id="sum-table">
  <tr>
    <th>Row</th>
    <th>Sum</th>
  </tr>
</table>
<button id="add-row-btn">Add Row</button>
<script>
  const sumTable = document.getElementById('sum-table');
  const addRowBtn = document.getElementById('add-row-btn');
  let rowCount = 1;
  addRowBtn.addEventListener('click', () => {
    const newRow = sumTable.insertRow();
    const cell1 = newRow.insertCell(0);
    const cell2 = newRow.insertCell(1);
    cell1.textContent = rowCount;
    cell2.textContent = calculateFibonacci(rowCount);
    rowCount++;
  });
  function calculateFibonacci(n) {
    if (n === 1 || n === 2) {
      return 1;
    }
  }
```



```
let a = 1;
let b = 1;
let sum = 0;
for (let i = 3; i <= n; i++) {
    sum = a + b;
    a = b;
    b = sum;
}
return sum;
}
</script>
</body>
</html>
```

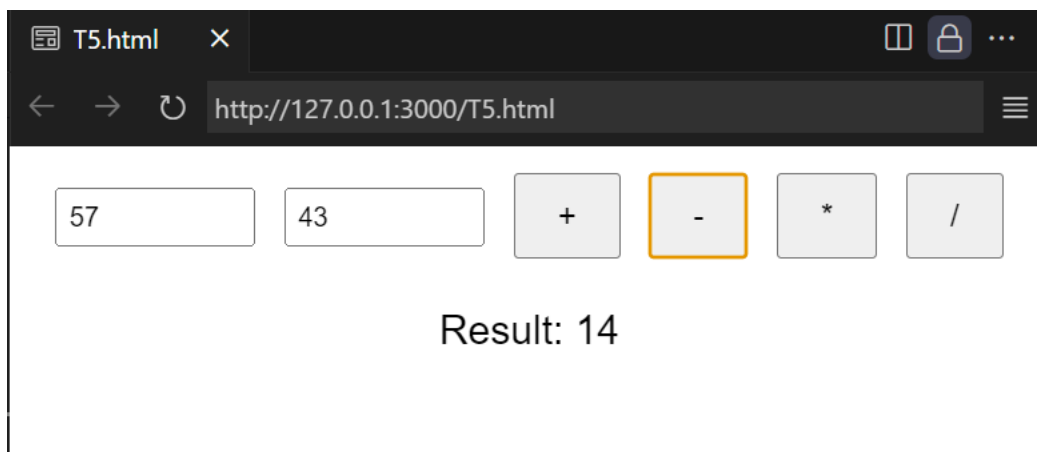
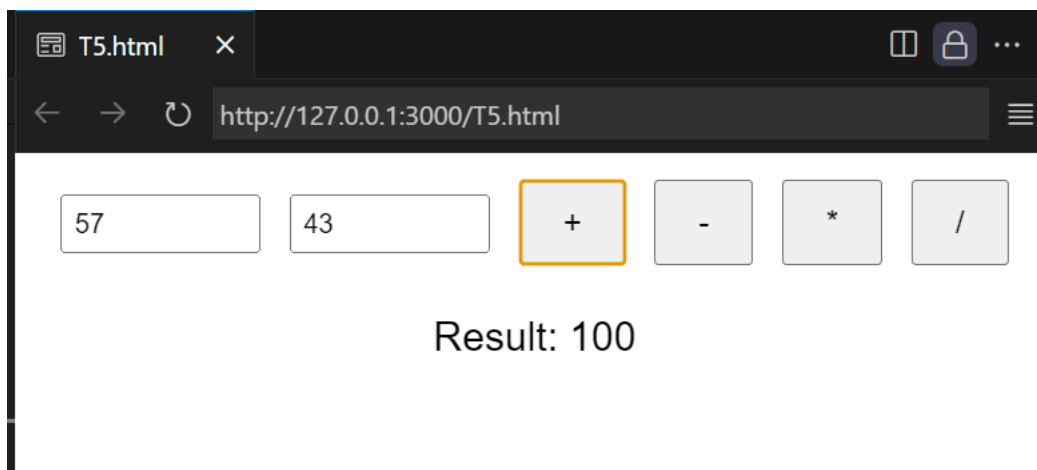
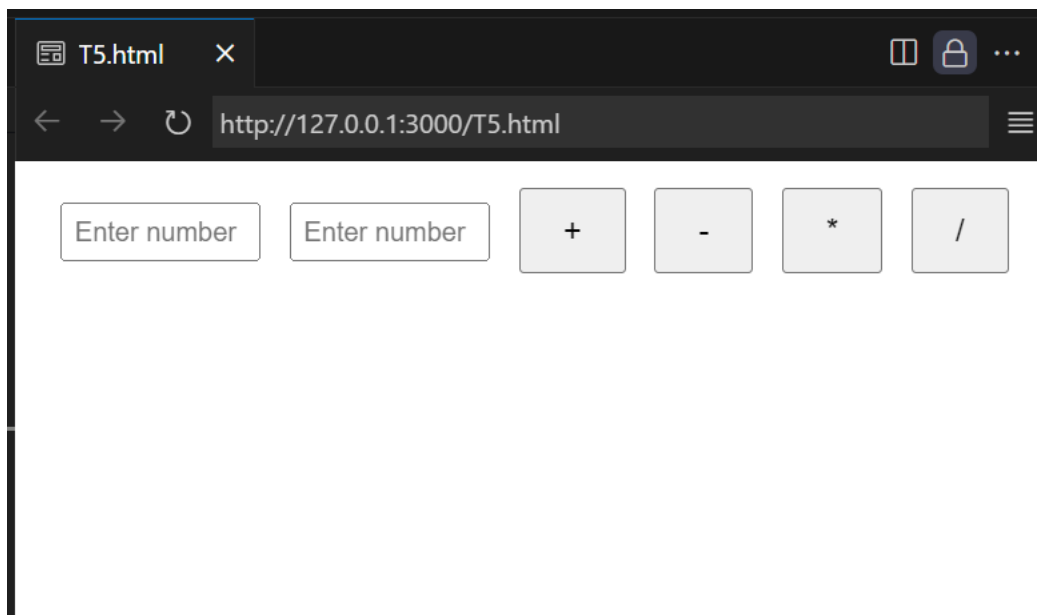


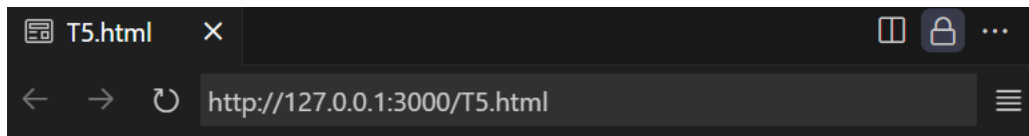


T5:

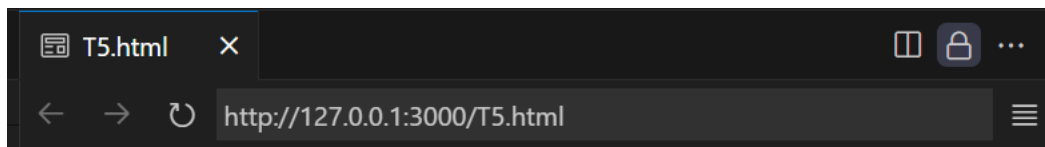
```
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
    }
    input[type="text"] {
      padding: 5px;
      margin: 5px;
      width: 100px;
    }
    button {
      padding: 10px 20px;
      margin: 5px;
      font-size: 16px;
    }
    #result {
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div>
    <input type="text" value="1" />
    <input type="text" value="1" />
    <button value="Add Row" />
  </div>
  <div id="result">
    <table>
      <tr>
        <th>Row</th>
        <th>Sum</th>
      </tr>
      <tr>
        <td>1</td>
        <td>1</td>
      </tr>
      <tr>
        <td>2</td>
        <td>1</td>
      </tr>
      <tr>
        <td>3</td>
        <td>2</td>
      </tr>
      <tr>
        <td>4</td>
        <td>3</td>
      </tr>
      <tr>
        <td>5</td>
        <td>5</td>
      </tr>
      <tr>
        <td>6</td>
        <td>8</td>
      </tr>
      <tr>
        <td>7</td>
        <td>13</td>
      </tr>
      <tr>
        <td>8</td>
        <td>21</td>
      </tr>
    </table>
  </div>
</body>
</html>
```

```
    font-size: 20px;
  }
</style>
</head>
<body>
  <input type="text" id="input1" placeholder="Enter number">
  <input type="text" id="input2" placeholder="Enter number">
  <button onclick="calculate('+')">+</button>
  <button onclick="calculate('-')">-</button>
  <button onclick="calculate('*')">*</button>
  <button onclick="calculate('/')">/</button>
  <div id="result"></div>
  <script>
    function calculate(operator) {
      var input1 = Number.parseInt(document.getElementById('input1').value);
      var input2 = Number.parseInt(document.getElementById('input2').value);
      var resultElement = document.getElementById('result');
      var 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";
      }
      resultElement.textContent = "Result: " + result;
    }
  </script>
</body>
</html>
```





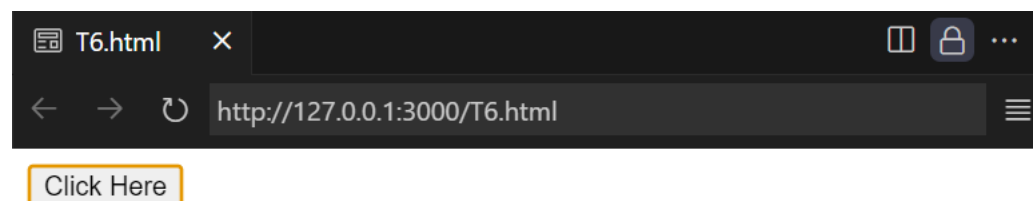
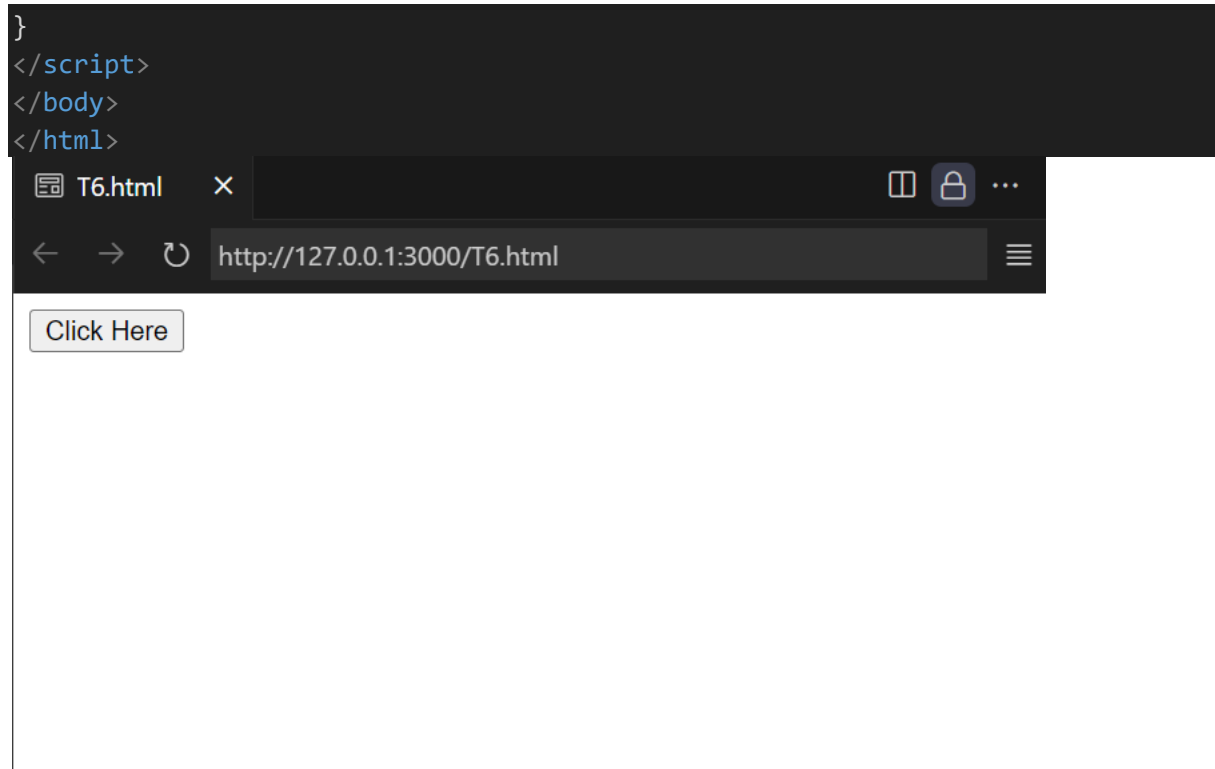
Result: 2451



Result: 1.3255813953488371

T6:

```
<html>
<head>
</head>
<body>
<button onclick="makePage();">Click Here</button>
<script>
function makePage() {
  var h1 = document.createElement('h1');
  h1.textContent = "I am an H1";
  var paragraph = document.createElement('p');
  paragraph.textContent = "This is a paragraph followed by a list";
  var ol = document.createElement('ol');
  ol.setAttribute('type', 'I');
  var li1 = document.createElement('li');
  li1.textContent = "This is first";
  ol.appendChild(li1);
  var li2 = document.createElement('li');
  li2.textContent = "This is second";
  ol.appendChild(li2);
  document.body.appendChild(h1);
  document.body.appendChild(paragraph);
  document.body.appendChild(ol);
}
```

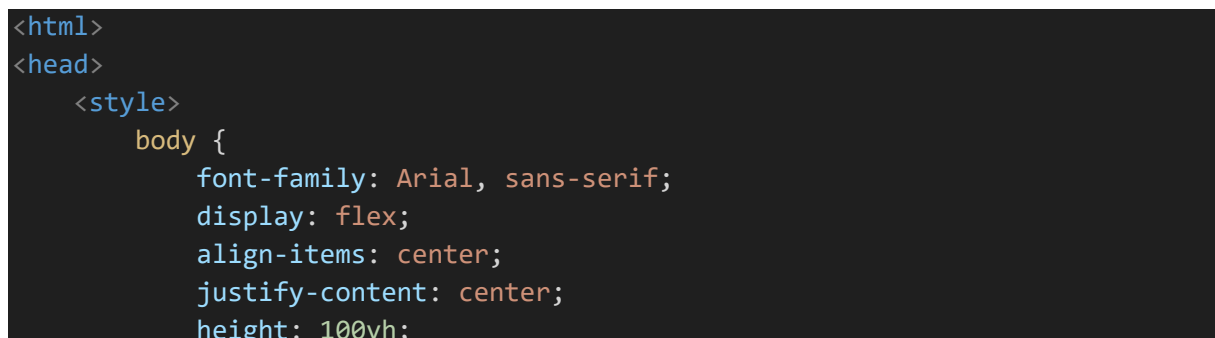


I am an H1

This is a paragraph followed by a list

- I. This is first
- II. This is second

T7:




```
function calculateTip() {
    var billAmount =
parseFloat(document.getElementById('billAmount').value);
    var tipPercentage =
parseInt(document.getElementById('tipPercentage').value);
    var numPeople =
parseInt(document.getElementById('numPeople').value);
    var tipAmount = (billAmount * tipPercentage) / 100;
    var totalAmount = billAmount + tipAmount;
    var tipPerPerson = tipAmount / numPeople;
    var resultMessage = "Tip: $" + tipAmount.toFixed(2) + "<br>";
    resultMessage += "Total Amount: $" + totalAmount.toFixed(2) +
"<br>";
    resultMessage += "Tip per Person: $" + tipPerPerson.toFixed(2);
    document.getElementById('tip-result').innerHTML = resultMessage;
}
document.getElementById('tipPercentage').addEventListener('input',
function() {
    document.getElementById('tipPercentageValue').innerText =
this.value + '%';
});
</script>
</body>
</html>
```


T7.html

⌵

⌵

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🔄

http://127.0.0.1:3000/T7.html

☰

Tip Calculator

Bill Amount

Enter bill amount

Tip Percentage

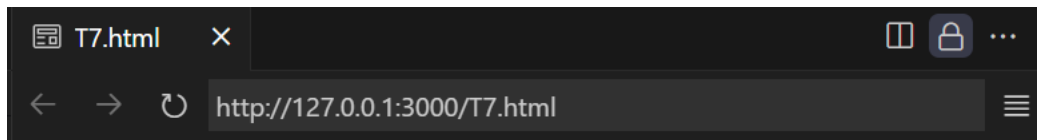
15% Number of People

1 person

⌵

Calculate Tip

</html>



Tip Calculator

Bill Amount

100

Tip Percentage



4% Number of People

4 people



Calculate Tip

Tip: \$4.00
Total Amount: \$104.00
Tip per Person: \$1.00