

Web Technology
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Lab-5

T1 :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Naresh's T1</title>
    <style>
        body {
            display: flex;
            align-items: center;
            justify-content: center;
            height: 100vh;
            margin: 0;
        }

        h2 {
            font-family: 'Arial', sans-serif;
            text-align: center;
            transition: transform 0.5s ease-in-out;
        }

        .spin {
            animation: spin 0.5s ease-in-out;
        }

        @keyframes spin {
            0% {
                transform: rotate(0deg);
            }
            100% {
                transform: rotate(360deg);
            }
        }

        input {
            padding: 5px;
            margin-right: 10px;
        }

        button {
            padding: 5px 10px;
        }
    </style>
</head>
<body>
    <div>
        <h2 id="displayText">Hello</h2>
        <input type="text" id="inputText" placeholder="Type a word or phrase">
        <button onclick="changeText()">Change Text</button>
    </div>
<script>
```

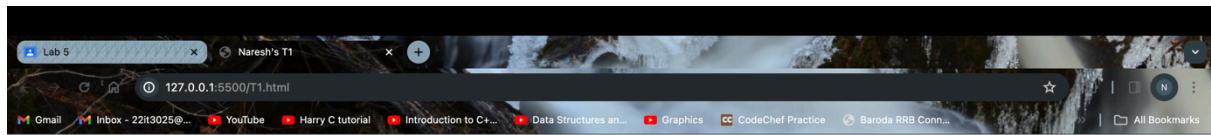
```
function changeText() {
    var inputElement = document.getElementById('inputText');
    var displayElement = document.getElementById('displayText');

    var newText = inputElement.value.trim();

    displayElement.innerText = newText;
    displayElement.classList.add('spin');

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

OUTPUT



Hello

Type a word or phrase

T2:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Naresh's T2</title>
    <style>
        body {
            margin: 0;
        }

        button {
            padding: 10px;
            font-size: 16px;
        }

        #count, #countDisplay {
            font-size: 16px;
            margin-left: 10px;
        }
    </style>
</head>
<body>
    <div>
        <button onclick="incrementCount()">Increment Count</button>
        <p id="count">0</p>
        <p id="countDisplay">Count = 0</p>
    </div>

    <script>
        var count = 0;

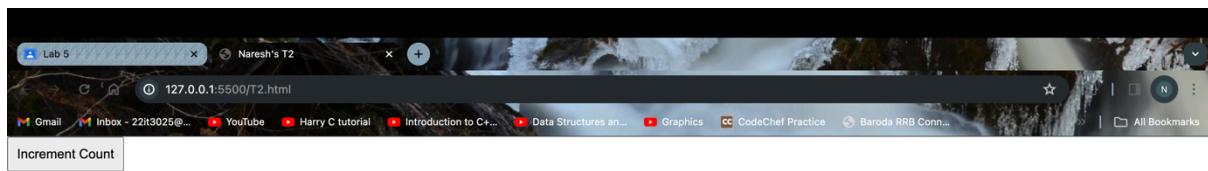
        function incrementCount() {
            count++;
            updateCount();
        }

        function updateCount() {
            var countElement = document.getElementById('count');
            var countDisplayElement = document.getElementById('countDisplay');

            countElement.innerText = count;
            countDisplayElement.innerText = 'Count = ' + count;

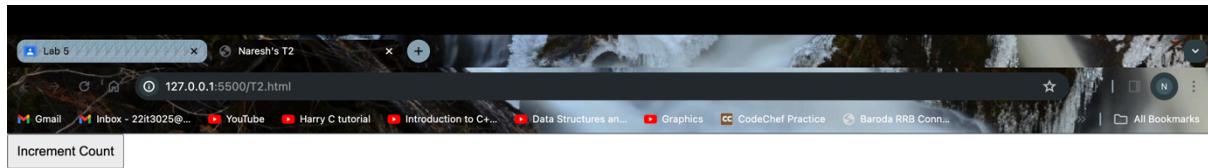
            countDisplayElement.style.fontSize = (count + 7) + 'px';
        }
    </script>
</body>
</html>
```

OUTPUT



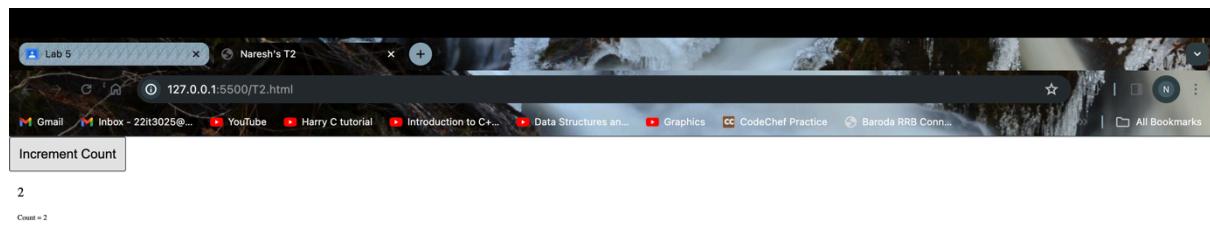
0

Count = 0



1

Count = 1



T3:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Naresh's T3</title>
  <style>
    body {
      margin: 0;
    }

    button {
      padding: 10px;
      font-size: 16px;
    }

    #countList {
      list-style-type: none;
      padding: 0;
    }

    .countItem {
      font-size: 16px;
      margin-left: 10px;
    }
  </style>

```

```
</style>
</head>
<body>
  <div>
    <button onclick="incrementCount()">Increment Count</button>
    <ul id="countList"></ul>
  </div>

  <script>
    var count = 0;

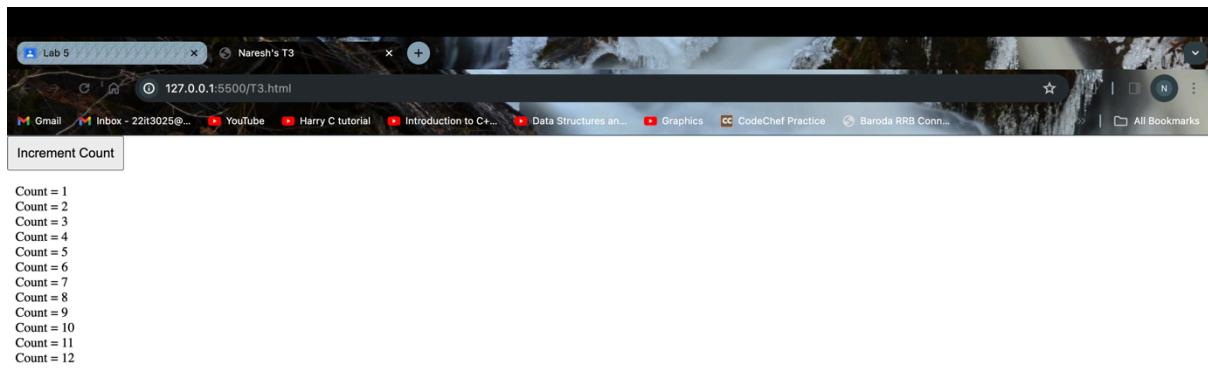
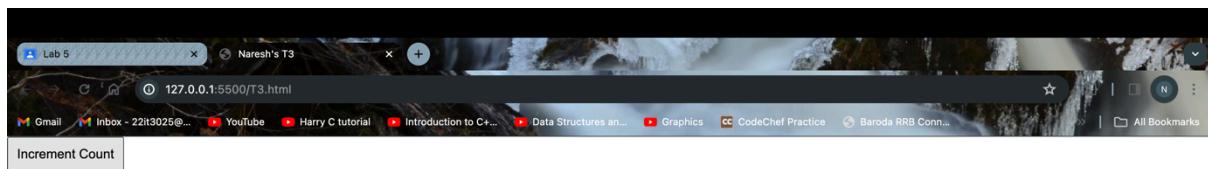
    function incrementCount() {
      count++;
      updateCount();
    }

    function updateCount() {
      var countList = document.getElementById('countList');

      var listItem = document.createElement('li');
      listItem.className = 'countItem';
      listItem.innerText = 'Count = ' + count;

      countList.appendChild(listItem);
    }
  </script>
</body>
</html>
```

OUTPUT



T4:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Naresh's T4</title>
    <style>
        table {
            border-collapse: collapse;
            width: 300px;
            margin: 20px;
        }

        th, td {
            border: 1px solid black;
            padding: 8px;
            text-align: center;
        }
    </style>
</head>
<body>
    <table id="sumTable">
        <thead>
            <tr>
                <th>Row</th>
                <th>Sum</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>1</td>
                <td>0</td>
            </tr>
            <tr>
                <td>2</td>
                <td>1</td>
            </tr>
        </tbody>
    </table>

    <button onclick="addRow()">Add Row</button>

    <script>
        function addRow() {
            var table = document.getElementById('sumTable').getElementsByTagName('tbody')[0];
            var rows = table.getElementsByTagName('tr');

            var lastRow = rows[rows.length - 1];
            var secondLastRow = rows[rows.length - 2];

            var lastValue = parseInt(lastRow.lastElementChild.innerText) || 0;
            var secondLastValue = parseInt(secondLastRow.lastElementChild.innerText) || 0;

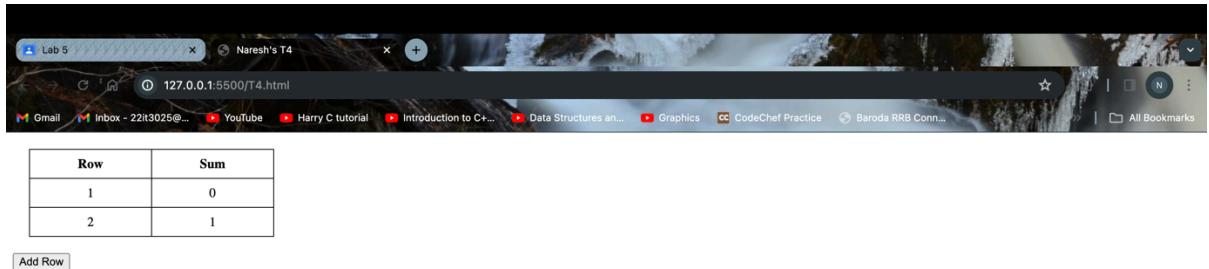
            var sum = lastValue + secondLastValue;

            var newRow = document.createElement('tr');
            var cell1 = document.createElement('td');
            cell1.innerText = rows.length + 1;
            var cell2 = document.createElement('td');
            cell2.innerText = sum;
            newRow.appendChild(cell1);
            newRow.appendChild(cell2);
        }
    </script>

```

```
        table.appendChild(newRow);
    }
</script>
</body>
</html>
```

OUTPUT



A screenshot of a web browser window titled "Naresh's T4". The address bar shows the URL "127.0.0.1:5500/T4.html". The page content displays a table with two rows:

| Row | Sum |
|-----|-----|
| 1 | 0 |
| 2 | 1 |

Below the table is a small button labeled "Add Row".

| Row | Sum |
|-----|-----|
| 1 | 0 |
| 2 | 1 |
| 3 | 1 |
| 4 | 2 |
| 5 | 3 |
| 6 | 5 |
| 7 | 8 |
| 8 | 13 |

Add Row

T5:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Naresh's T5</title>
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
      font-family: Arial, sans-serif;
    }

    input {
      margin: 5px;
      padding: 8px;
      width: 200px;
    }

    button {
      margin: 5px;
    }
  </style>

```

```
padding: 10px;
font-size: 16px;
}

#result {
margin-top: 10px;
font-size: 18px;
}
</style>
</head>
<body>
<input type="text" id="input1" placeholder="Enter number 1">
<input type="text" id="input2" placeholder="Enter number 2">

<button onclick="performOperation('+')"><+></button>
<button onclick="performOperation('-')"><-></button>
<button onclick="performOperation('*')"><*></button>
<button onclick="performOperation('/')"></></button>

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

<script>
function performOperation(operator) {
    var input1 = document.getElementById('input1').value;
    var input2 = document.getElementById('input2').value;

    var num1 = Number.parseInt(input1);
    var num2 = Number.parseInt(input2);

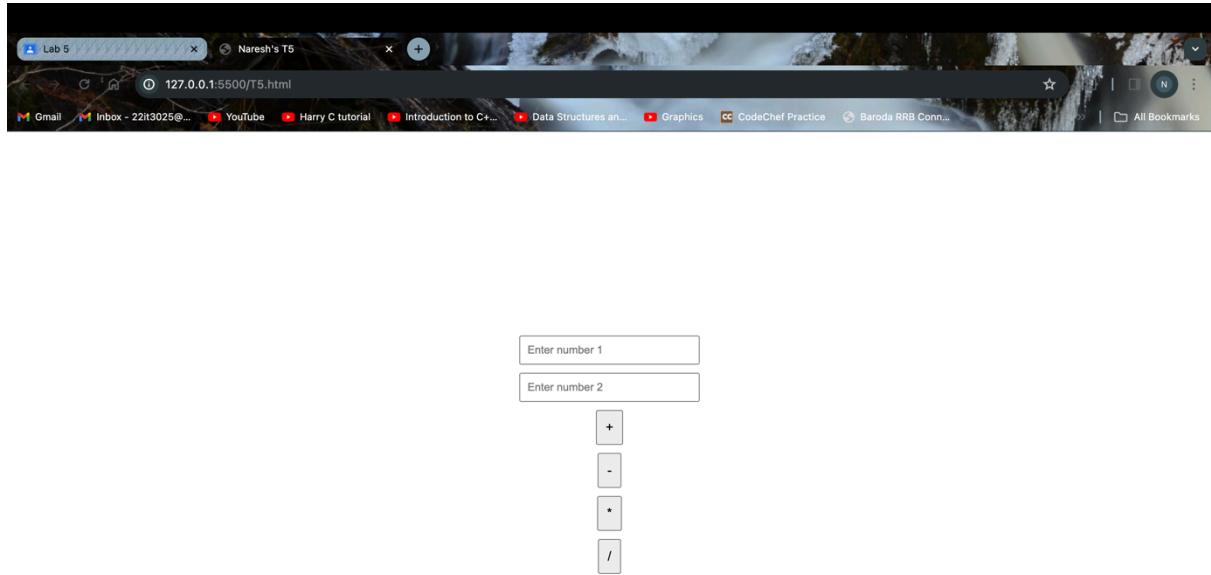
    if (isNaN(num1) || isNaN(num2)) {
        alert("Please enter valid numbers");
        return;
    }

    var result;

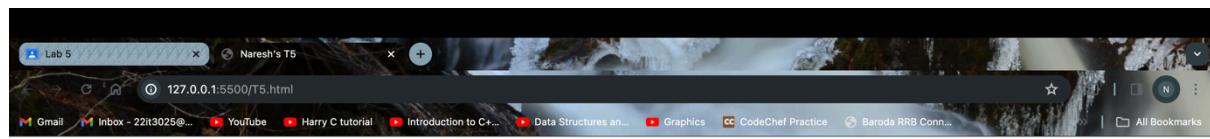
    switch (operator) {
        case '+':
            result = num1 + num2;
            break;
        case '-':
            result = num1 - num2;
            break;
        case '*':
            result = num1 * num2;
            break;
        case '/':
            if (num2 === 0) {
                alert("Cannot divide by zero");
                return;
            }
            result = num1 / num2;
            break;
        default:
            alert("Invalid operation");
            return;
    }

    document.getElementById('result').innerText = 'Result: ' + result;
}
</script>
</body>
</html>
```

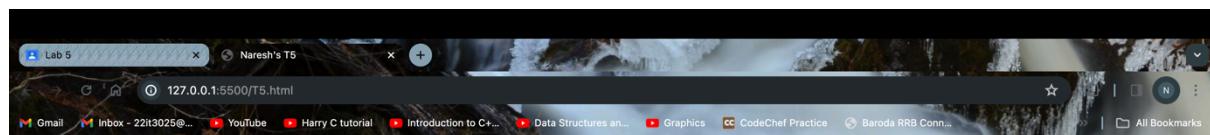
OUTPUT



when + button is clicked



when - button is clicked

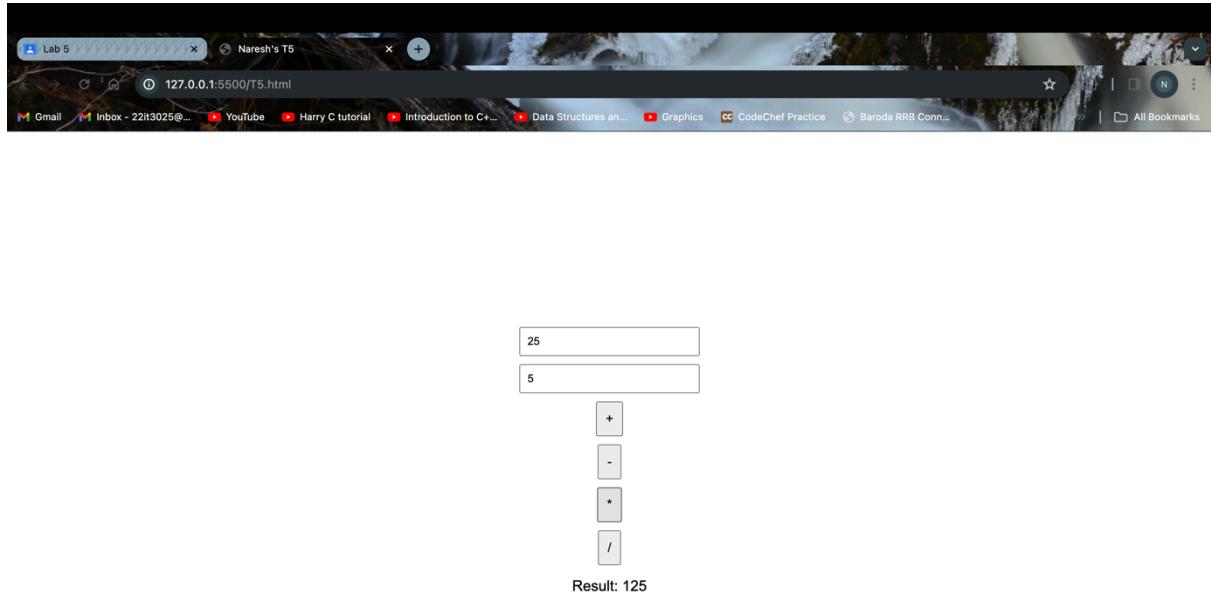


 (highlighted)

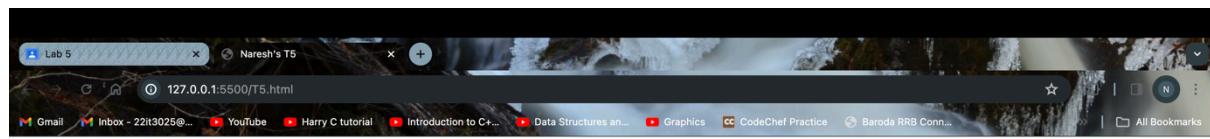
Result: 20



when * button is clicked



when / button is clicked

A screenshot of a calculator application. It features two input fields: the first contains the number "25" and the second contains "5". Between the input fields is a vertical stack of four buttons for mathematical operations: addition (+), subtraction (-), multiplication (*), and division (/). Below the calculator interface, the text "Result: 5" is displayed.

T7:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Naresh's T7</title>
<style>
body {
    font-family: Arial, sans-serif;
    display: flex;
    align-items: center;
    justify-content: center;
    height: 100vh;
    margin: 0;
    background-color: #f4f4f4;
}

#calculator {
    text-align: center;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 8px;
    background-color: #fff;
```

```

        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

label {
    display: block;
    margin-bottom: 10px;
    font-weight: bold;
}

input {
    width: 100%;
    padding: 10px;
    margin-bottom: 20px;
    box-sizing: border-box;
}

#result {
    font-size: 18px;
    font-weight: bold;
}
</style>
</head>
<body>
    <div id="calculator">
        <label for="totalAmount">Total Amount</label>
        <input type="number" id="totalAmount" placeholder="Enter total amount">

        <label for="tipPercentage">Tip Percentage</label>
        <input type="range" id="tipPercentage" min="0" max="30" step="1" value="15">
        <span id="tipPercentageValue">15%</span>

        <label for="numOfPeople">Number of People</label>
        <input type="number" id="numOfPeople" placeholder="Enter number of people" value="1">

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

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

<script>
function calculateTip() {
    var totalAmount = parseFloat(document.getElementById('totalAmount').value) || 0;
    var tipPercentage = parseInt(document.getElementById('tipPercentage').value);
    var numOfPeople = parseInt(document.getElementById('numOfPeople').value) || 1;

    var tipAmount = (totalAmount * tipPercentage) / 100;
    var totalWithTip = totalAmount + tipAmount;
    var perPersonAmount = totalWithTip / numOfPeople;

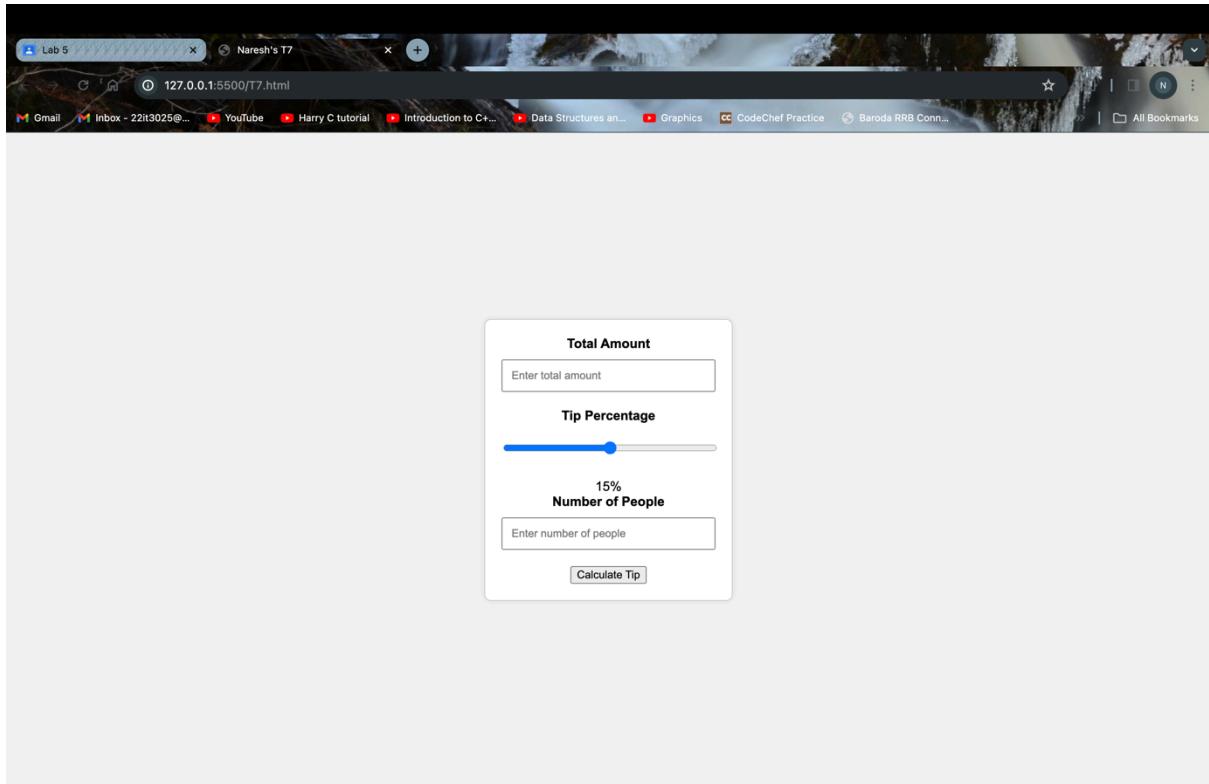
    var resultText = `
        Tip Amount: Rs${tipAmount.toFixed(2)}<br>
        Total with Tip: Rs${totalWithTip.toFixed(2)}<br>
        Per Person: Rs${perPersonAmount.toFixed(2)}
    `;

    document.getElementById('result').innerHTML = resultText;
}

document.getElementById('tipPercentage').addEventListener('input', function() {
    document.getElementById('tipPercentageValue').innerText = this.value + '%';
});
</script>
</body>
</html>

```

OUTPUT



The screenshot shows a web browser window with two tabs open: "Lab 5" and "Naresh's 17". The main content area displays a tip calculator application at the URL "127.0.0.1:5500/T7.html".

The application interface includes:

- A "Total Amount" input field containing the value "500".
- A "Tip Percentage" slider set to "10%".
- A "Number of People" input field containing the value "3".
- A "Calculate Tip" button.
- Output text showing the results:
 - Tip Amount: Rs50.00
 - Total with Tip: Rs550.00
 - Per Person: Rs183.33