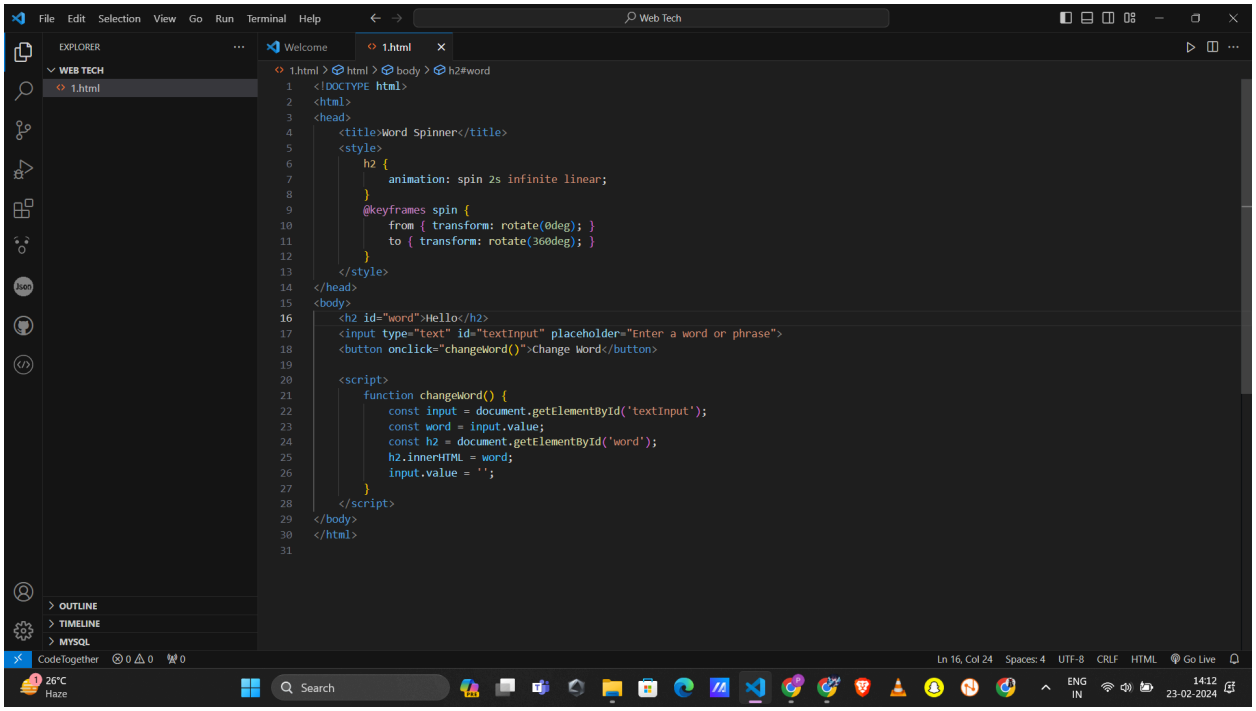
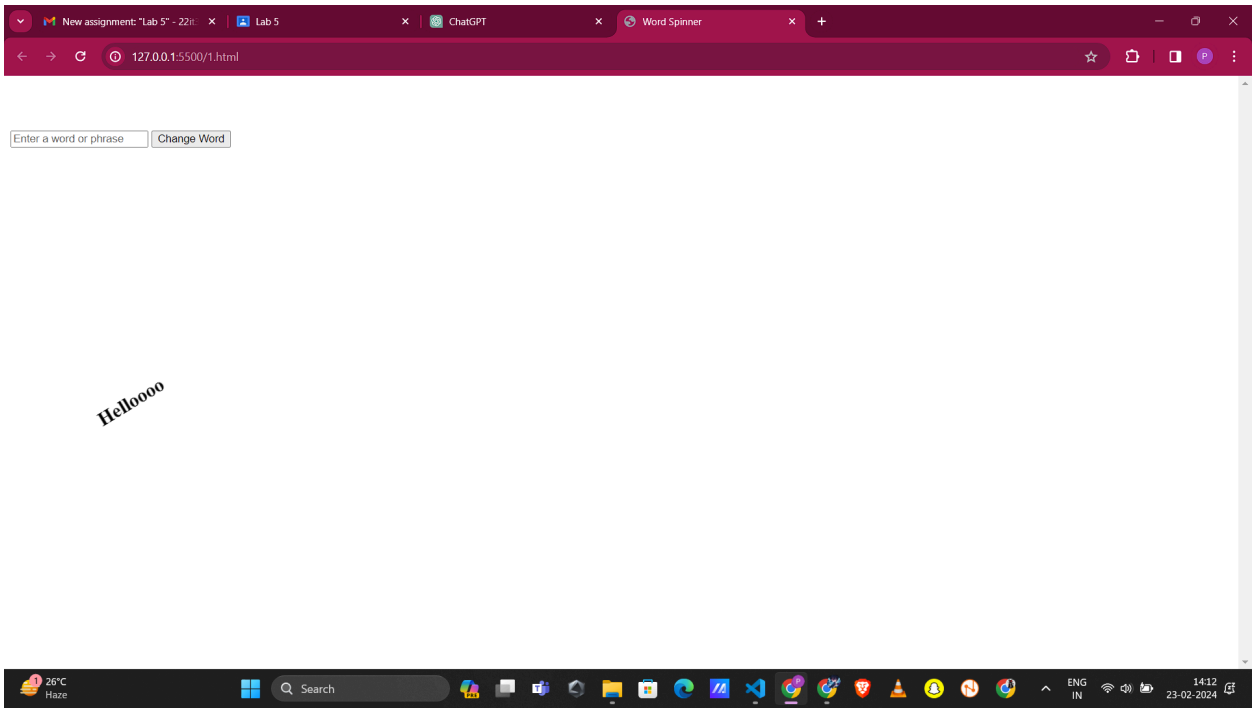
WEB TECHNOLOGY LAB - 5

Name - Prashant Singh
Roll No. - 22IT3029

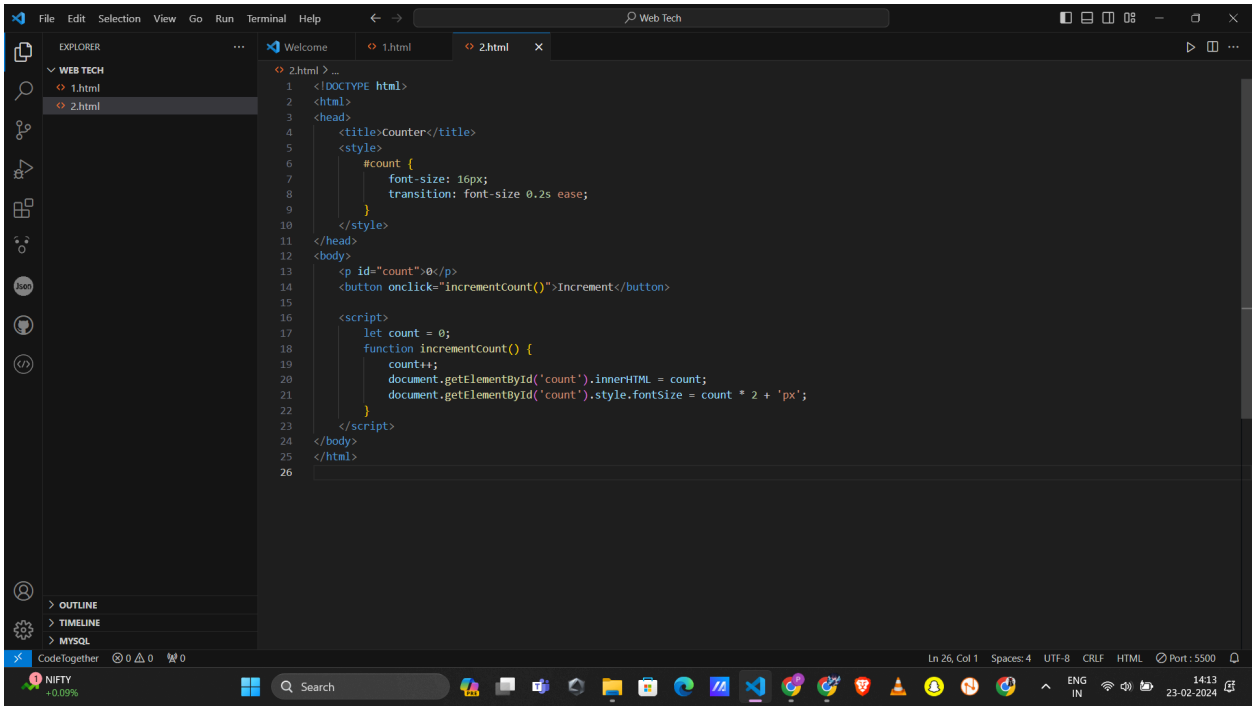
Task-1

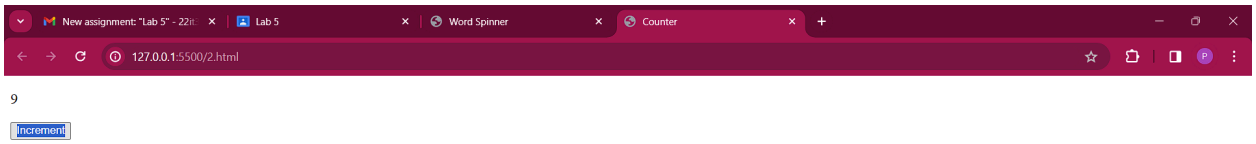


```
<!DOCTYPE html>
<html>
<head>
    <title>Word Spinner</title>
    <style>
        h2 {
            animation: spin 2s infinite linear;
        }
        @keyframes spin {
            from { transform: rotate(0deg); }
            to { transform: rotate(360deg); }
        }
    </style>
</head>
<body>
    <h2 id="word">Hello</h2>
    <input type="text" id="textInput" placeholder="Enter a word or phrase">
    <button onclick="changeWord()">Change Word</button>

    <script>
        function changeWord() {
            const input = document.getElementById('textInput');
            const word = input.value;
            const h2 = document.getElementById('word');
            h2.innerHTML = word;
            input.value = '';
        }
    </script>
</body>
</html>
```



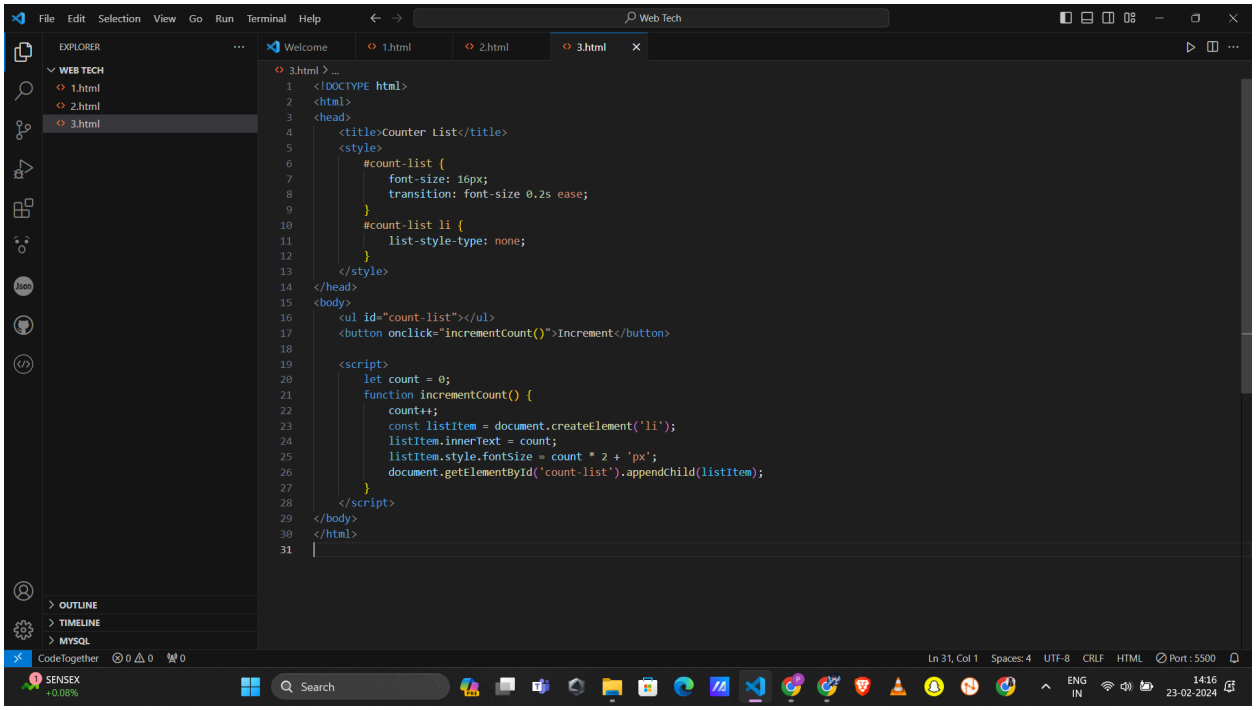
TASK-2

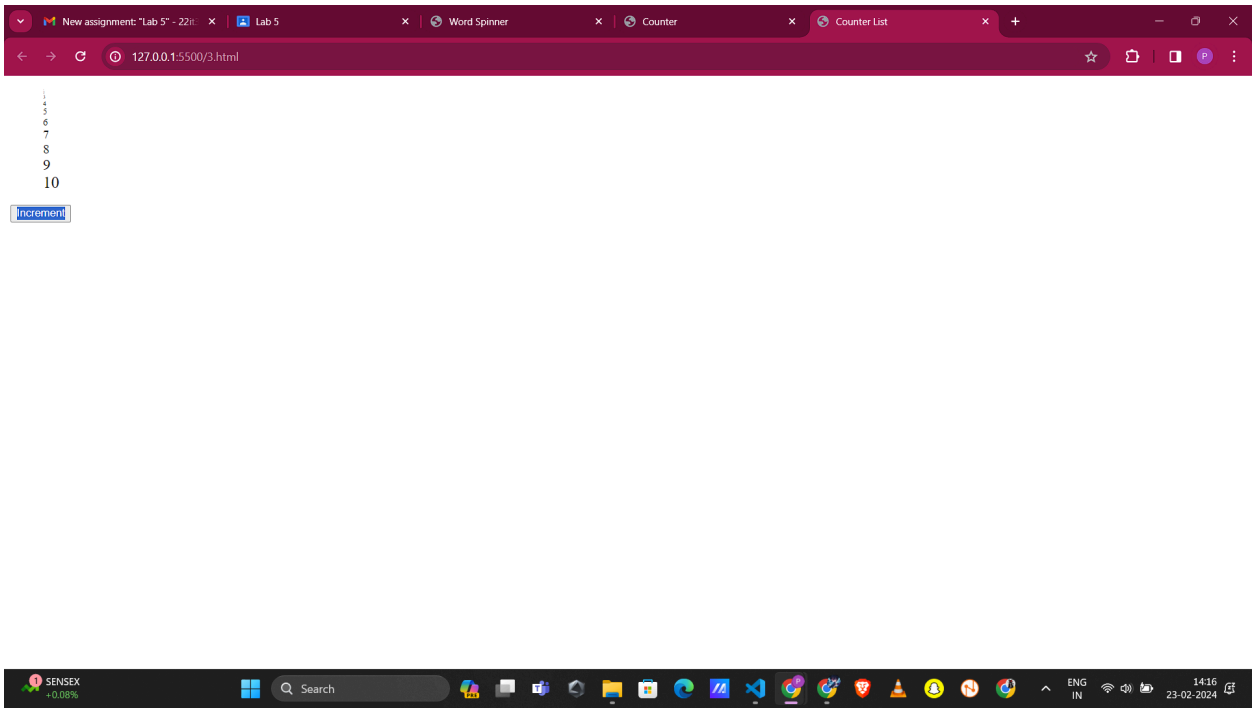

File Edit Selection View Go Run Terminal Help
Web Tech
EXPLORER
WEB TECH
1.html
2.html
Welcome
1.html
2.html
2.html > ...
<!DOCTYPE html>
<html>
<head>
<title>Counter</title>
<style>
#count {
font-size: 16px;
transition: font-size 0.2s ease;
}
</style>
</head>
<body>
0
<button onclick="incrementCount()">Increment</button>
<script>
let count = 0;
function incrementCount() {
count++;
document.getElementById('count').innerHTML = count;
document.getElementById('count').style.fontSize = count * 2 + 'px';
}
</script>
</body>
</html>
OUTLINE
TIMELINE
MYSQL
CodeTogether
Ln 26, Col 1
Spaces: 4
UTF-8
CRLF
HTML
Port : 5500
NIFTY
+0.09%
Search
ENG
IN
14:13
23-02-2024


New assignment: "Lab 5" - 22it
Lab 5
Word Spinner
Counter
127.0.0.1:5500/2.html
9
Increment

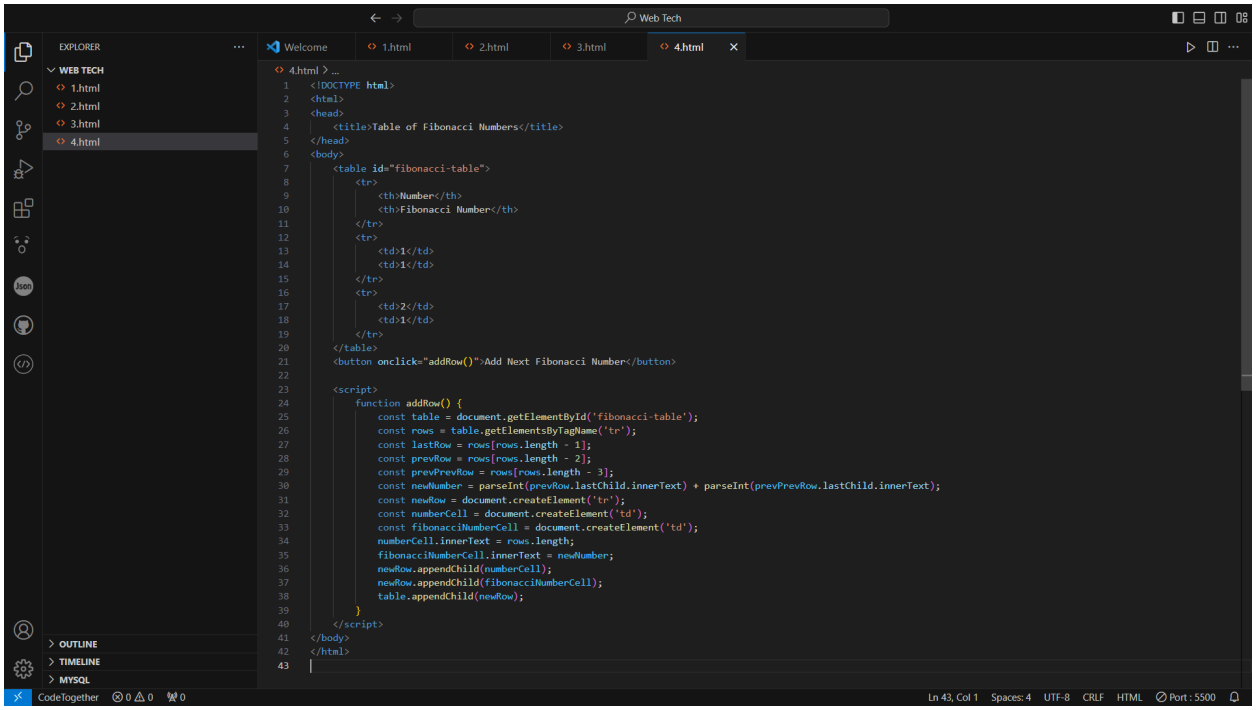

NIFTY
+0.09%
Search
ENG
IN
14:13
23-02-2024

TASK-3

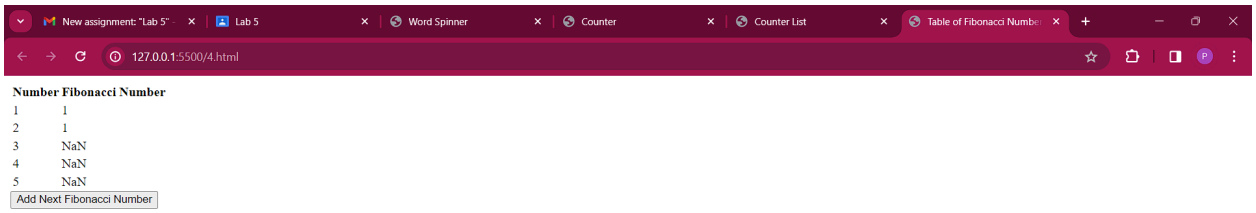

File Edit Selection View Go Run Terminal Help
Web Tech
EXPLORER
WEB TECH
1.html
2.html
3.html
Welcome
1.html
2.html
3.html
3.html > ...
<!DOCTYPE html>
<html>
<head>
<title>Counter List</title>
<style>
#count-list {
font-size: 16px;
transition: font-size 0.2s ease;
}
#count-list li {
list-style-type: none;
}
</style>
</head>
<body>
<ul id="count-list">
<button onclick="incrementCount()">Increment</button>
<script>
let count = 0;
function incrementCount() {
count++;
const listItem = document.createElement('li');
listItem.innerText = count;
listItem.style.fontSize = count * 2 + 'px';
document.getElementById('count-list').appendChild(listItem);
}
</script>
</body>
</html>
OUTLINE
TIMELINE
MYSQL
CodeTogether
Ln 31, Col 1
Spaces: 4
UTF-8
CRLF
HTML
Port : 5500
SENSEX
+0.08%
Search
ENG
IN
14:16
23-02-2024


New assignment: "Lab 5" - 22it
Lab 5
Word Spinner
Counter
Counter List
127.0.0.1:5500/3.html
1
2
3
4
5
6
7
8
9
10
Increment
SENSEX
+0.08%
Search
ENG
IN
14:16
23-02-2024

TASK-4



```
<!DOCTYPE html>
<html>
<head>
    <title>Table of Fibonacci Numbers</title>
</head>
<body>
    <table id="fibonacci-table">
        <tr>
            <th>Number</th>
            <th>Fibonacci Number</th>
        </tr>
        <tr>
            <td>1</td>
            <td>1</td>
        </tr>
        <tr>
            <td>2</td>
            <td>1</td>
        </tr>
    </table>
    <button onclick="addRow()">Add Next Fibonacci Number</button>

    <script>
        function addRow() {
            const table = document.getElementById('fibonacci-table');
            const rows = table.getElementsByTagName('tr');
            const lastRow = rows[rows.length - 1];
            const prevRow = rows[rows.length - 2];
            const prevPrevRow = rows[rows.length - 3];
            const newNumber = parseInt(prevRow.lastChild.innerText) + parseInt(prevPrevRow.lastChild.innerText);
            const newRow = document.createElement('tr');
            const numberCell = document.createElement('td');
            const fibonacciNumberCell = document.createElement('td');
            numberCell.innerText = rows.length;
            fibonacciNumberCell.innerText = newNumber;
            newRow.appendChild(numberCell);
            newRow.appendChild(fibonacciNumberCell);
            table.appendChild(newRow);
        }
    </script>
</body>
</html>
```

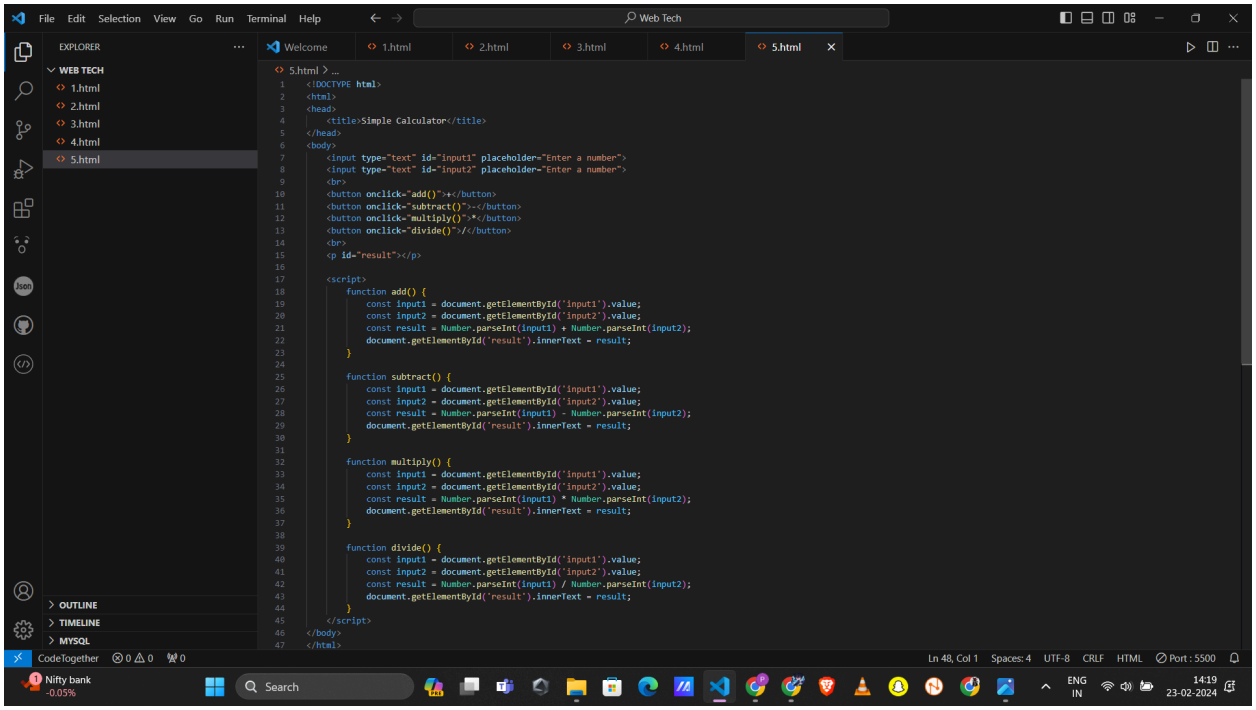


Number Fibonacci Number

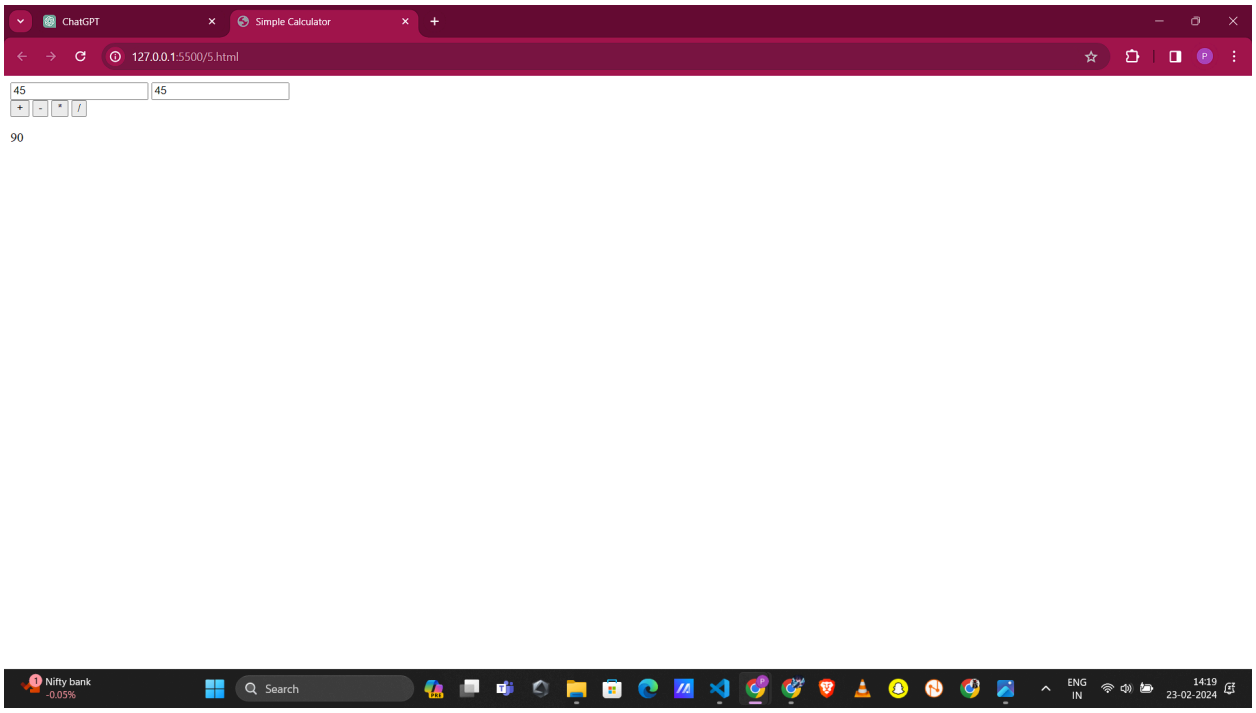
1	1
2	1
3	NaN
4	NaN
5	NaN

Add Next Fibonacci Number

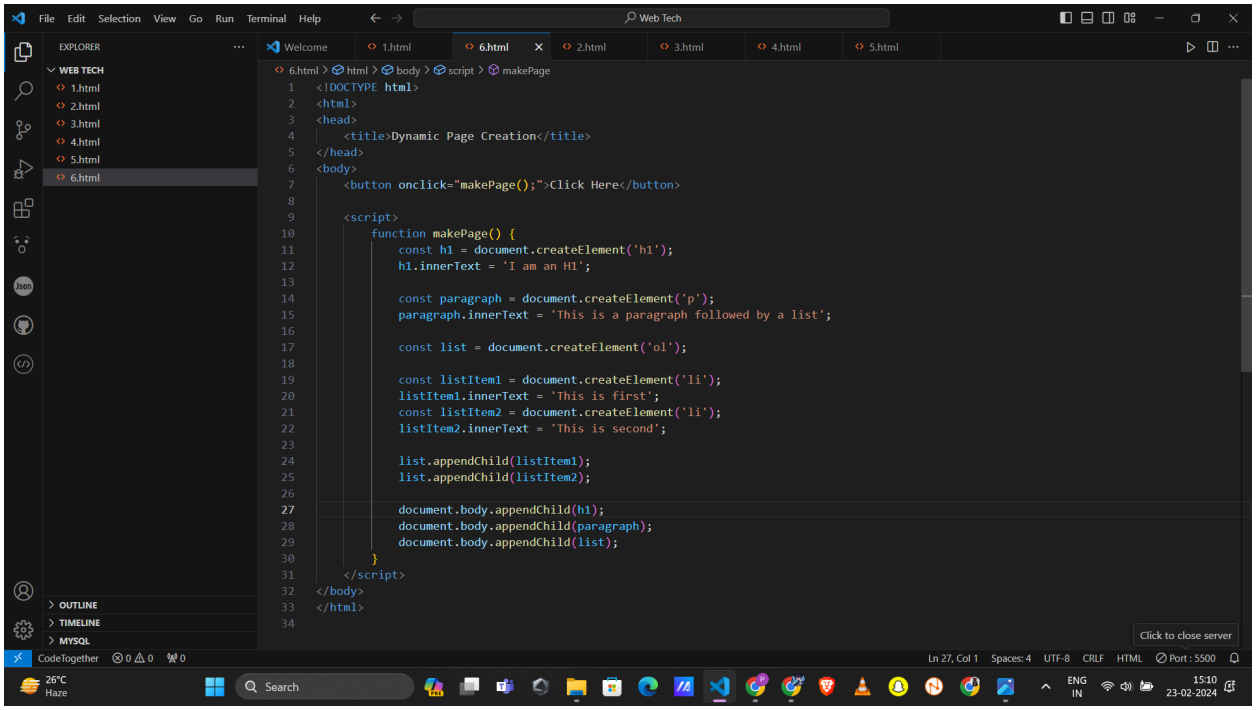
TASK-5

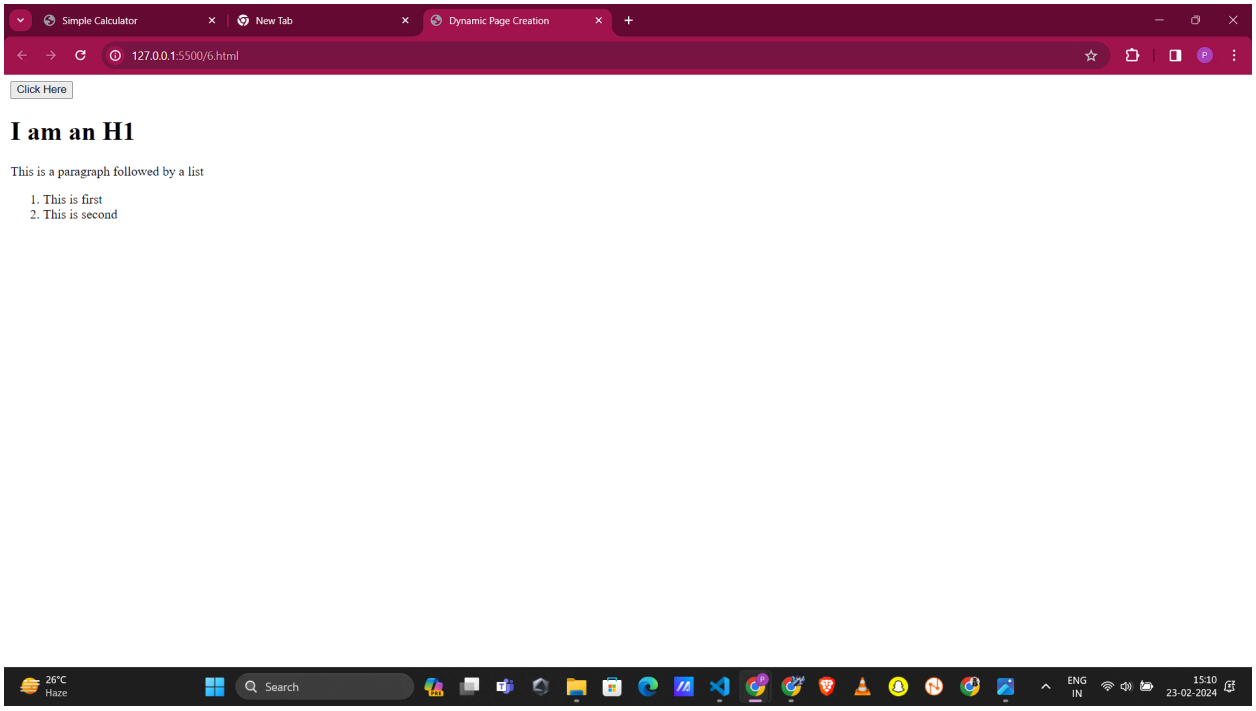



```
<!DOCTYPE html>
<html>
<head>
    <title>Simple Calculator</title>
</head>
<body>
    <input type="text" id="input1" placeholder="Enter a number">
    <input type="text" id="input2" placeholder="Enter a number">
    <br>
    <button onclick="add()">+</button>
    <button onclick="subtract()">-</button>
    <button onclick="multiply()">*</button>
    <button onclick="divide()">/</button>
    <br>
    <p id="result"></p>

    <script>
        function add() {
            const input1 = document.getElementById('input1').value;
            const input2 = document.getElementById('input2').value;
            const result = Number.parseInt(input1) + Number.parseInt(input2);
            document.getElementById('result').innerText = result;
        }

        function subtract() {
            const input1 = document.getElementById('input1').value;
            const input2 = document.getElementById('input2').value;
            const result = Number.parseInt(input1) - Number.parseInt(input2);
            document.getElementById('result').innerText = result;
        }

        function multiply() {
            const input1 = document.getElementById('input1').value;
            const input2 = document.getElementById('input2').value;
            const result = Number.parseInt(input1) * Number.parseInt(input2);
            document.getElementById('result').innerText = result;
        }

        function divide() {
            const input1 = document.getElementById('input1').value;
            const input2 = document.getElementById('input2').value;
            const result = Number.parseInt(input1) / Number.parseInt(input2);
            document.getElementById('result').innerText = result;
        }
    </script>
</body>
</html>
```

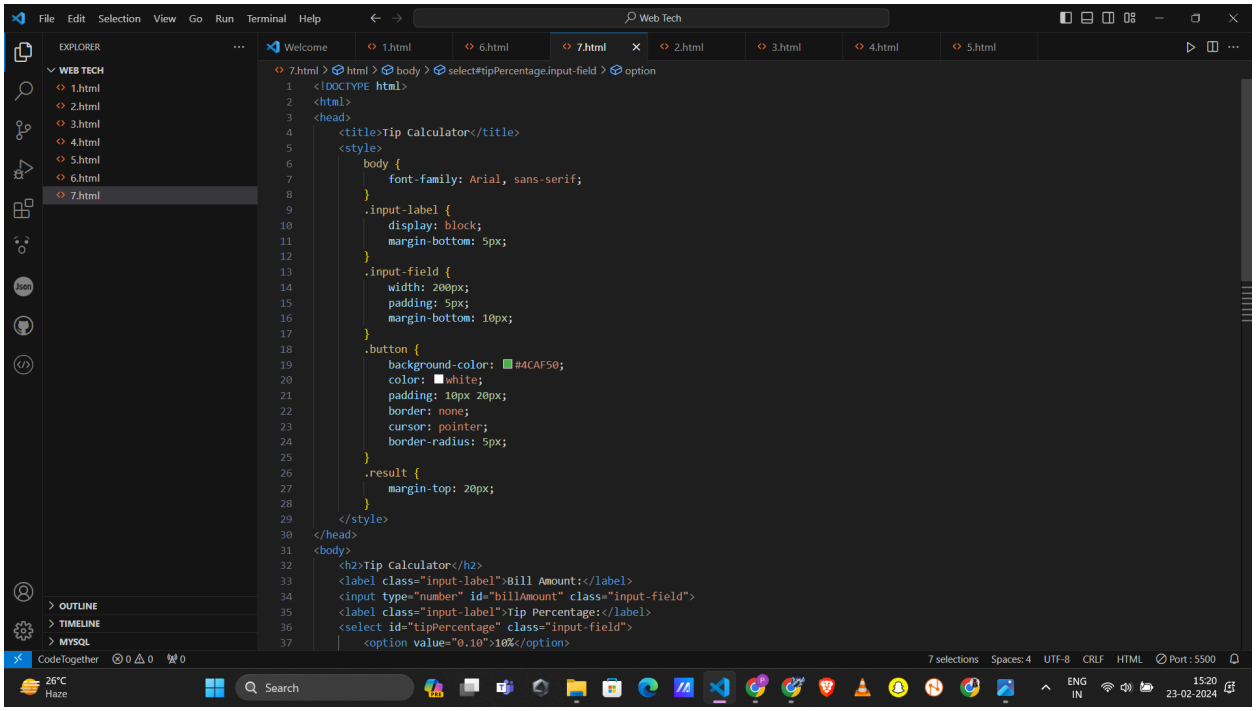


TASK-6

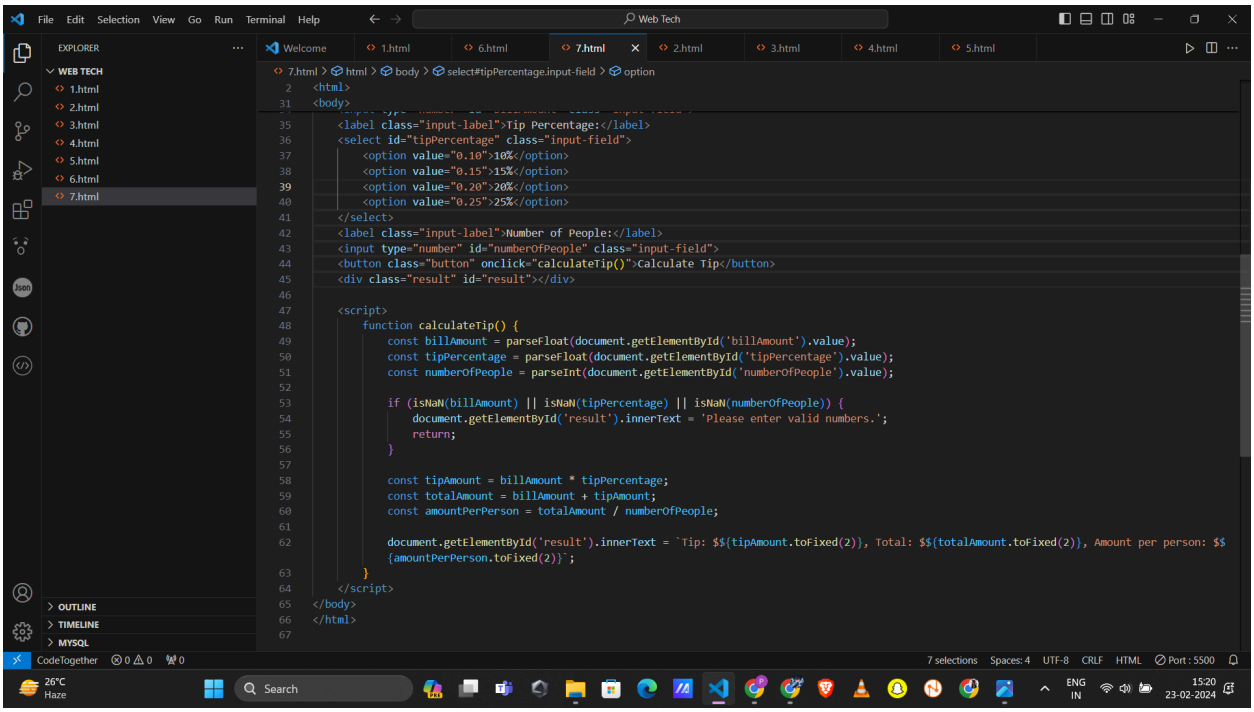

File Edit Selection View Go Run Terminal Help
Web Tech
EXPLORER
WEB TECH
1.html
2.html
3.html
4.html
5.html
6.html
Welcome
6.html > html > body > script > makePage
<!DOCTYPE html>
<html>
<head>
<title>Dynamic Page Creation</title>
</head>
<body>
<button onclick="makePage();">Click Here</button>
<script>
function makePage() {
const h1 = document.createElement('h1');
h1.innerText = 'I am an H1';
const paragraph = document.createElement('p');
paragraph.innerText = 'This is a paragraph followed by a list';
const list = document.createElement('ol');
const listItem1 = document.createElement('li');
listItem1.innerText = 'This is first';
const listItem2 = document.createElement('li');
listItem2.innerText = 'This is second';
list.appendChild(listItem1);
list.appendChild(listItem2);
document.body.appendChild(h1);
document.body.appendChild(paragraph);
document.body.appendChild(list);
}
</script>
</body>
</html>
OUTLINE
TIMELINE
MYSQL
Click to close server
CodeTogether
Ln 27, Col 1 Spaces: 4 UTF-8 CRLF HTML Port : 5500
26°C Haze
Search
ENG IN
15:10 23-02-2024


Simple Calculator
New Tab
Dynamic Page Creation
127.0.0.1:5500/6.html
Click Here
I am an H1
This is a paragraph followed by a list
1. This is first
2. This is second
26°C Haze
Search
ENG IN
15:10 23-02-2024

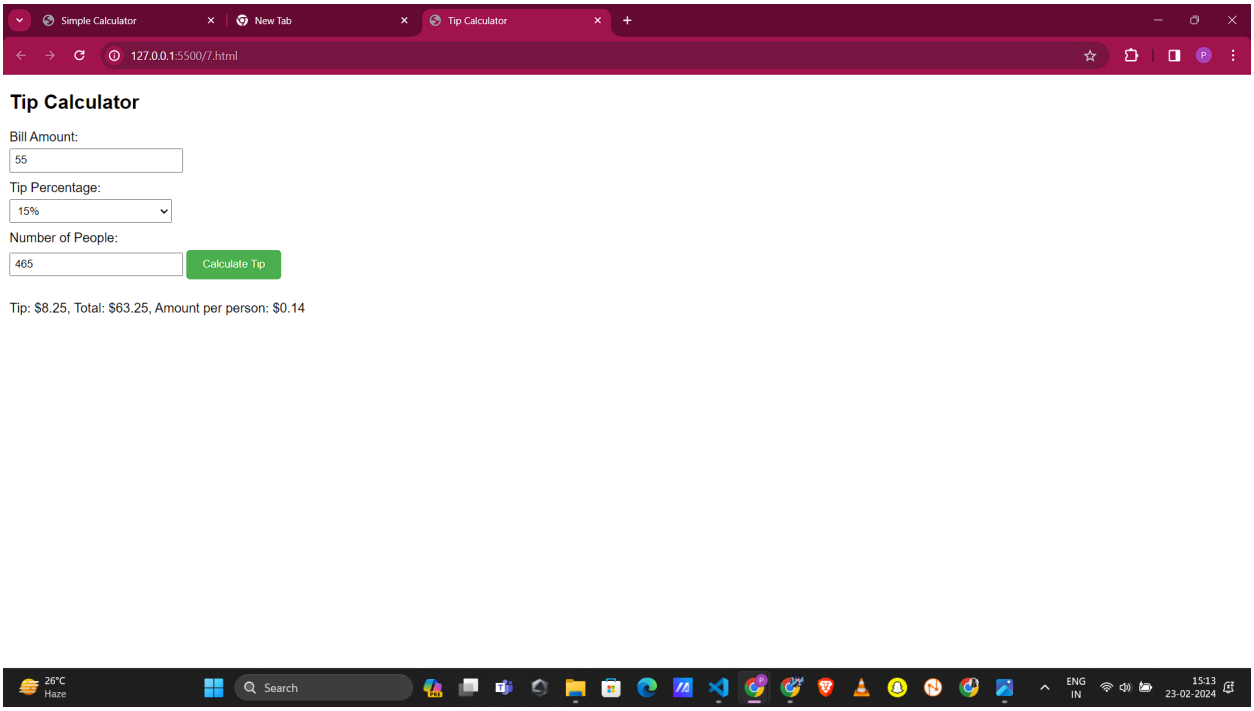
TASK-7



```
<!DOCTYPE html>
<html>
<head>
    <title>Tip Calculator</title>
    <style>
        body {
            font-family: Arial, sans-serif;
        }
        .input-label {
            display: block;
            margin-bottom: 5px;
        }
        .input-field {
            width: 200px;
            padding: 5px;
            margin-bottom: 10px;
        }
        .button {
            background-color: #4CAF50;
            color: white;
            padding: 10px 20px;
            border: none;
            cursor: pointer;
            border-radius: 5px;
        }
        .result {
            margin-top: 20px;
        }
    </style>
</head>
<body>
    <h2>Tip Calculator</h2>
    <label class="input-label">Bill Amount:</label>
    <input type="number" id="billAmount" class="input-field">
    <label class="input-label">Tip Percentage:</label>
    <select id="tipPercentage" class="input-field">
        <option value="0.10">10%</option>
```



```
<html>
<body>
    <label class="input-label">Tip Percentage:</label>
    <select id="tipPercentage" class="input-field">
        <option value="0.10">10%</option>
        <option value="0.15">15%</option>
        <option value="0.20">20%</option>
        <option value="0.25">25%</option>
    </select>
    <label class="input-label">Number of People:</label>
    <input type="number" id="numberOfPeople" class="input-field">
    <button class="button" onclick="calculateTip()">Calculate Tip</button>
    <div class="result" id="result"></div>

    <script>
        function calculateTip() {
            const billAmount = parseFloat(document.getElementById('billAmount').value);
            const tipPercentage = parseFloat(document.getElementById('tipPercentage').value);
            const numberOfPeople = parseInt(document.getElementById('numberOfPeople').value);

            if (isNaN(billAmount) || isNaN(tipPercentage) || isNaN(numberOfPeople)) {
                document.getElementById('result').innerText = 'Please enter valid numbers.';
                return;
            }

            const tipAmount = billAmount * tipPercentage;
            const totalAmount = billAmount + tipAmount;
            const amountPerPerson = totalAmount / numberOfPeople;

            document.getElementById('result').innerText = `Tip: $${tipAmount.toFixed(2)}, Total: $${totalAmount.toFixed(2)}, Amount per person: $
            {amountPerPerson.toFixed(2)}`;
        }
    </script>
</body>
</html>
```


Simple Calculator
New Tab
Tip Calculator
127.0.0.1:5500/7.html
Tip Calculator
Bill Amount:
55
Tip Percentage:
15%
Number of People:
465
Calculate Tip
Tip: $8.25, Total: $63.25, Amount per person: $0.14
26°C
Haze
Search
ENG
IN
15:13
23-02-2024