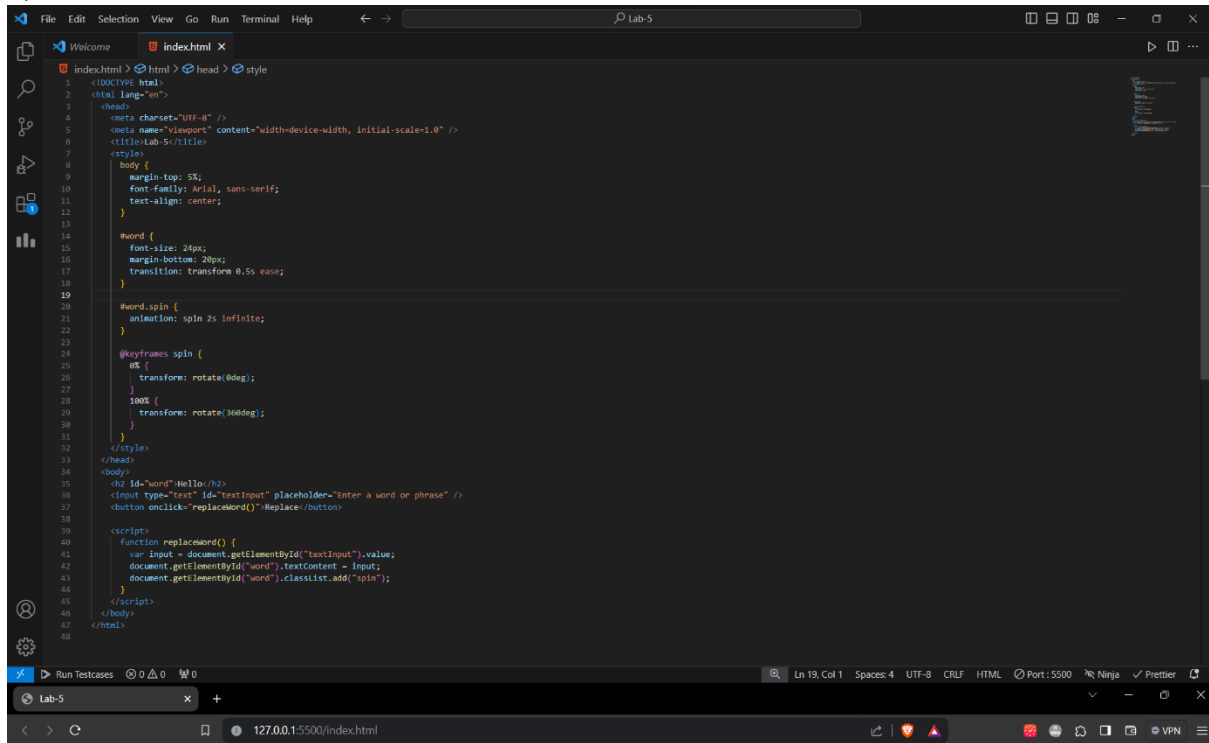


NAME – RISHIT TIWARI
ROLL NO. – 22CS3050

WEB TECHNOLOGY LAB – 05

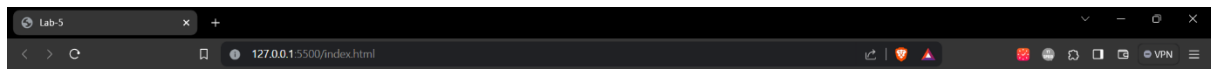
Q1.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <title>Lab-5</title>
7   <style>
8     body {
9       margin-top: 5%;
10      font-family: Arial, sans-serif;
11      text-align: center;
12    }
13
14    #word {
15      font-size: 24px;
16      margin-bottom: 20px;
17      transition: transform 0.5s ease;
18    }
19
20    #word.spin {
21      animation: spin 2s infinite;
22    }
23
24    @keyframes spin {
25      0% {
26        transform: rotate(0deg);
27      }
28      100% {
29        transform: rotate(360deg);
30      }
31    }
32  </style>
33 </head>
34 <body>
35   <h2 id="word">Hello</h2>
36   <input type="text" id="textInput" placeholder="Enter a word or phrase" />
37   <button onclick="replaceWord()">Replace</button>
38
39   <script>
40     function replaceWord() {
41       var input = document.getElementById("textInput").value;
42       document.getElementById("word").textContent = input;
43       document.getElementById("word").classList.add("spin");
44     }
45   </script>
46 </body>
47 </html>
```

Hello

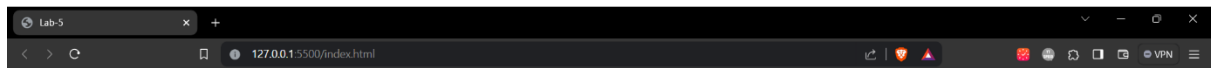
Enter a word or phrase



let's start

let's start

Replace

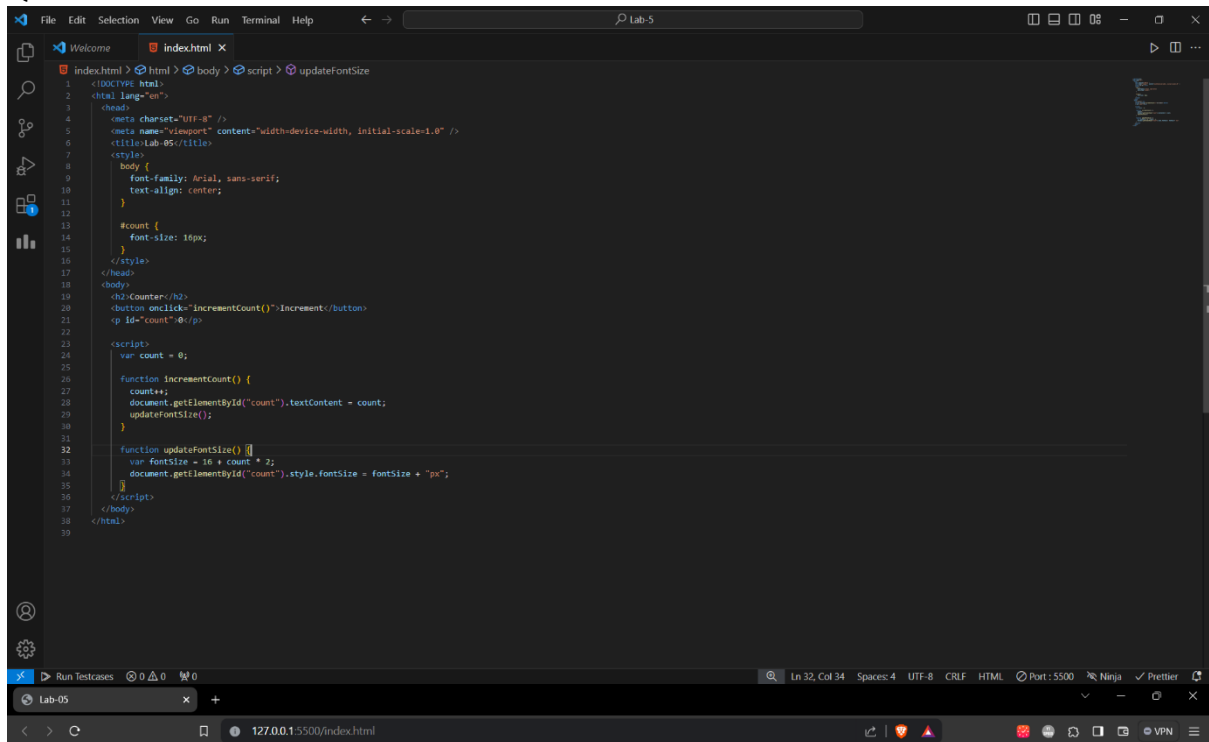


let's start

let's start

Replace

Q2.

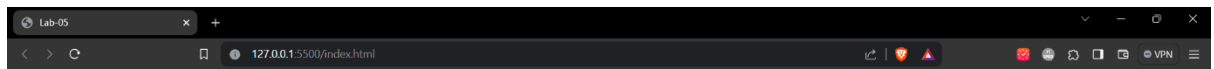


```
1 <!doctype html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <title>Lab-05</title>
7     <style>
8       body {
9         font-family: Arial, sans-serif;
10        text-align: center;
11      }
12    </style>
13    #count {
14      font-size: 16px;
15    }
16  </body>
17  <script>
18    var count = 0;
19    function incrementCount() {
20      count++;
21      document.getElementById("count").textContent = count;
22      updateFontSize();
23    }
24    function updateFontSize() {
25      var fontSize = 16 + count * 2;
26      document.getElementById("count").style.fontSize = fontSize + "px";
27    }
28  </script>
29  </html>
```

Counter

Increment

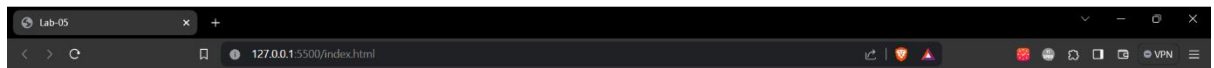
0



Counter

Increment

10

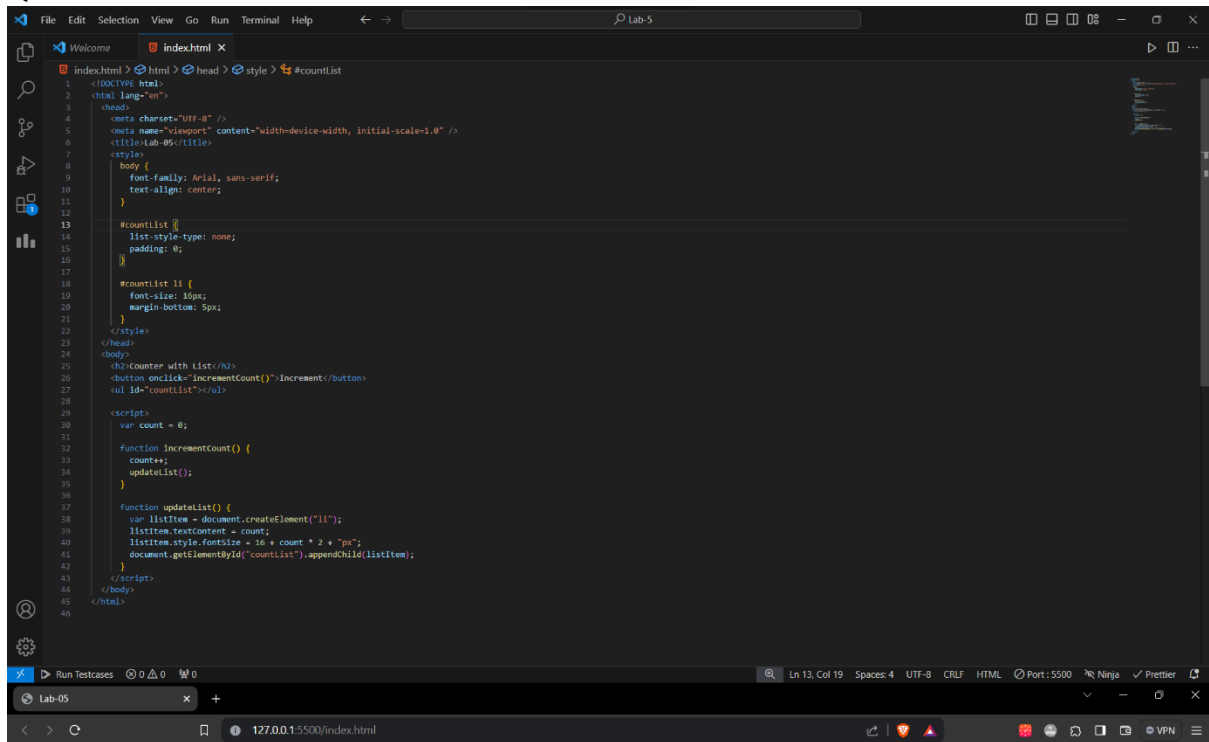


Counter

Increment

80

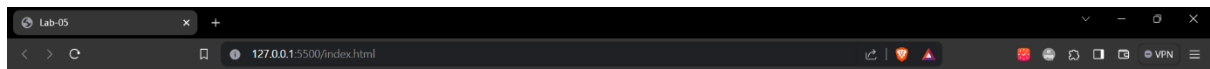
Q3.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <title>Lab-05</title>
7   <style>
8     body {
9       font-family: Arial, sans-serif;
10      text-align: center;
11    }
12
13    #countlist {
14      list-style-type: none;
15      padding: 0;
16    }
17
18    #countlist li {
19      font-size: 16px;
20      margin-bottom: 5px;
21    }
22  </style>
23 </head>
24 <body>
25   <p>Counter with List</p>
26   <button onclick="incrementCount()">Increment</button>
27   <ul id="countlist"></ul>
28
29   <script>
30     var count = 0;
31
32     function incrementCount() {
33       count++;
34       updateList();
35     }
36
37     function updateList() {
38       var listitem = document.createElement("li");
39       listitem.textContent = count;
40       listitem.style.fontSize = 16 + count * 2 + "px";
41       document.getElementById("countlist").appendChild(listitem);
42     }
43   </script>
44 </body>
45 </html>
```

Counter with List

Increment



Counter with List

Increment

1
2
3
4
5



Counter with List

Increment

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Q4.

```
1 <doctype html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <title>Lab-05</title>
7   </head>
8   <body>
9     <h2>Sum of Previous Rows</h2>
10    <button onclick="addRow()">Add Row</button>
11    <table id="dataTable" border="1">
12      <tr>
13        <th>Row</th>
14        <th>Sum</th>
15      </tr>
16      <tr>
17        <td>1</td>
18        <td>1</td>
19      </tr>
20      <tr>
21        <td>2</td>
22        <td>1</td>
23      </tr>
24    </table>
25
26    <script>
27      function addRow() {
28        var table = document.getElementById("dataTable");
29        var rowCount = table.rows.length;
30        var newRow = table.insertRow(rowCount);
31        var prevRow1 = parseInt(table.rows[rowCount - 2].cells[1].innerText);
32        var prevRow2 = parseInt(table.rows[rowCount - 1].cells[1].innerText);
33        prevRow1 = isNaN(prevRow1) ? 0 : prevRow1;
34        prevRow2 = isNaN(prevRow2) ? 0 : prevRow2;
35
36        var sum = prevRow1 + prevRow2;
37
38        var cell1 = newRow.insertCell(0);
39        var cell2 = newRow.insertCell(1);
40        cell1.innerText = rowCount;
41        cell2.innerText = sum;
42      }
43    </script>
44  </body>
45 </html>
```

Sum of Previous Rows

Add Row	
Row	Sum
1	1
2	1



Sum of Previous Rows

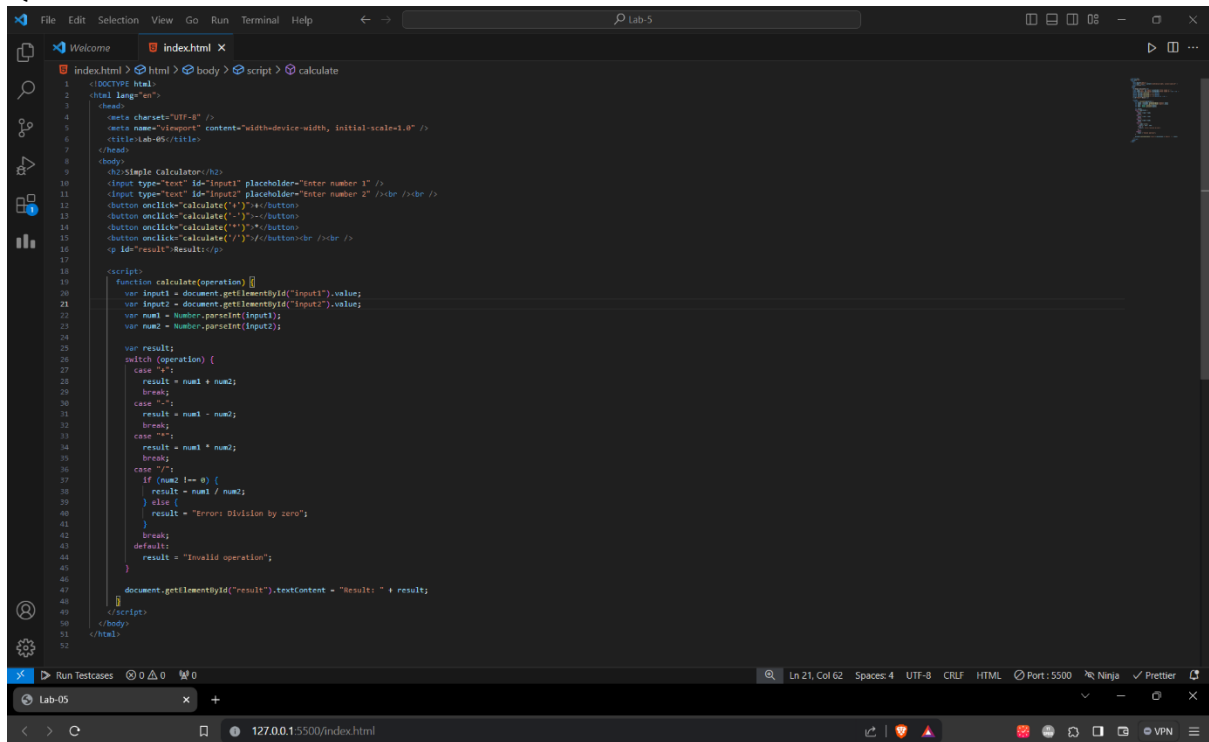
Add Row	
Row	Sum
1	1
2	1
3	2
4	3
5	5



Sum of Previous Rows

Add Row	
Row	Sum
1	1
2	1
3	2
4	3
5	5
6	8
7	13
8	21
9	34
10	55
11	89
12	144
13	233
14	377
15	610
16	987
17	1597
18	2584
19	4181
20	6765
21	10946
22	17711
23	28657
24	46368
25	75025
26	121393
27	196418
28	317811

Q5.



```
1 <DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6 <title>Lab-05</title>
7 </head>
8 <body>
9 <h2>Simple Calculator</h2>
10 <input type="text" id="input1" placeholder="Enter number 1" />
11 <input type="text" id="input2" placeholder="Enter number 2" /> <br />
12 <button onclick="calculate('+')">+</button>
13 <button onclick="calculate('-')">-</button>
14 <button onclick="calculate('*')">*</button>
15 <button onclick="calculate('/')">/</button> <br />
16 <p id="result">Result:</p>
17
18 <script>
19 function calculate(operation) {
20   var input1 = document.getElementById("input1").value;
21   var input2 = document.getElementById("input2").value;
22   var num1 = Number.parseInt(input1);
23   var num2 = Number.parseInt(input2);
24
25   var result;
26   switch (operation) {
27     case "+":
28       result = num1 + num2;
29       break;
30     case "-":
31       result = num1 - num2;
32       break;
33     case "*":
34       result = num1 * num2;
35       break;
36     case "/":
37       if (num2 !== 0) {
38         result = num1 / num2;
39       } else {
40         result = "Error: Division by zero";
41       }
42       break;
43     default:
44       result = "Invalid operation";
45   }
46
47   document.getElementById("result").textContent = "Result: " + result;
48 }
49 </script>
50 </body>
51 </html>
52
```

Simple Calculator

+

-

*

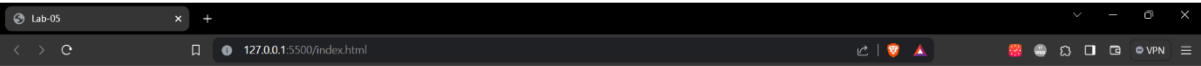
/

Result:



Simple Calculator

Result: 18



Simple Calculator

Result: 12



Simple Calculator

Result: 45

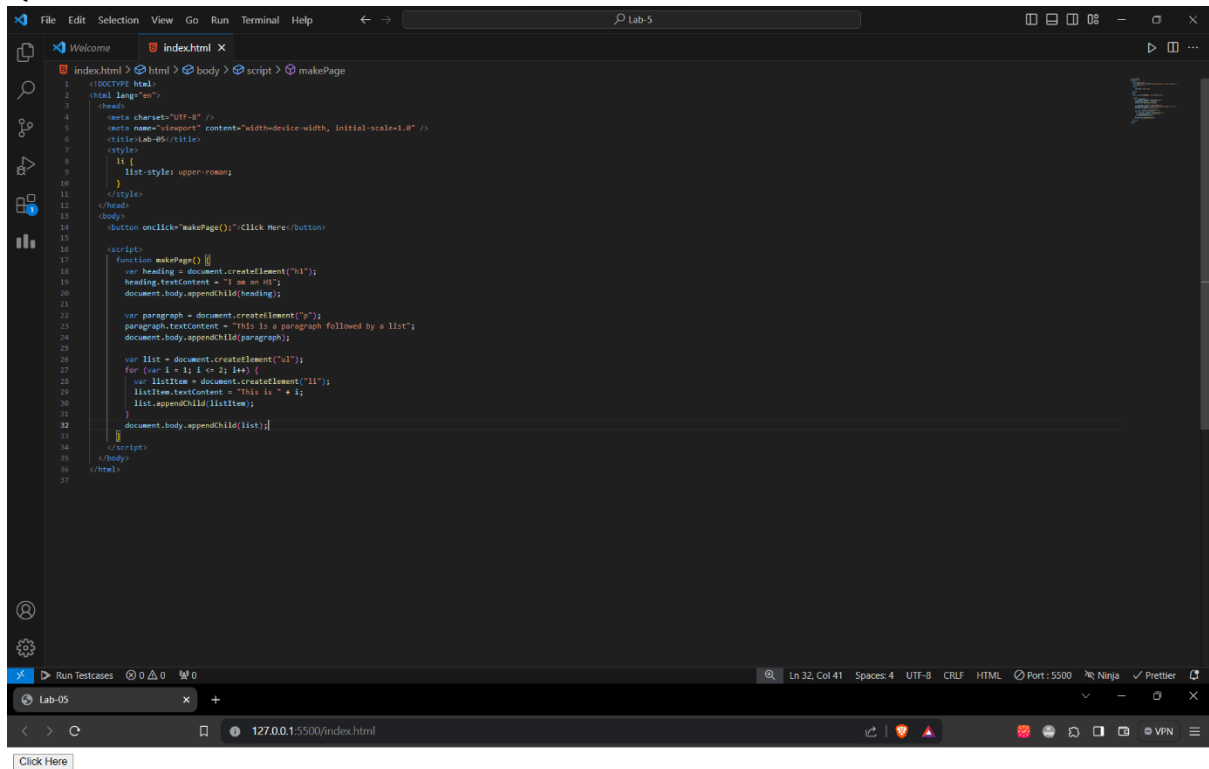


Simple Calculator

Result: 5



Q6.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6 <title>Lab-05</title>
7 <style>
8   li {
9     list-style: upper-roman;
10   }
11 </style>
12 </head>
13 <body>
14   <button onclick="makePage();">Click Here</button>
15
16   <script>
17     function makePage() {
18       var heading = document.createElement("h1");
19       heading.textContent = "I am an HT!";
20       document.body.appendChild(heading);
21
22       var paragraph = document.createElement("p");
23       paragraph.textContent = "This is a paragraph followed by a list";
24       document.body.appendChild(paragraph);
25
26       var list = document.createElement("ul");
27       for (var i = 1; i <= 5; i++) {
28         var listItem = document.createElement("li");
29         listItem.textContent = "This is " + i;
30         list.appendChild(listItem);
31       }
32       document.body.appendChild(list);
33     }
34   </script>
35 </body>
36 </html>
```

Click Here



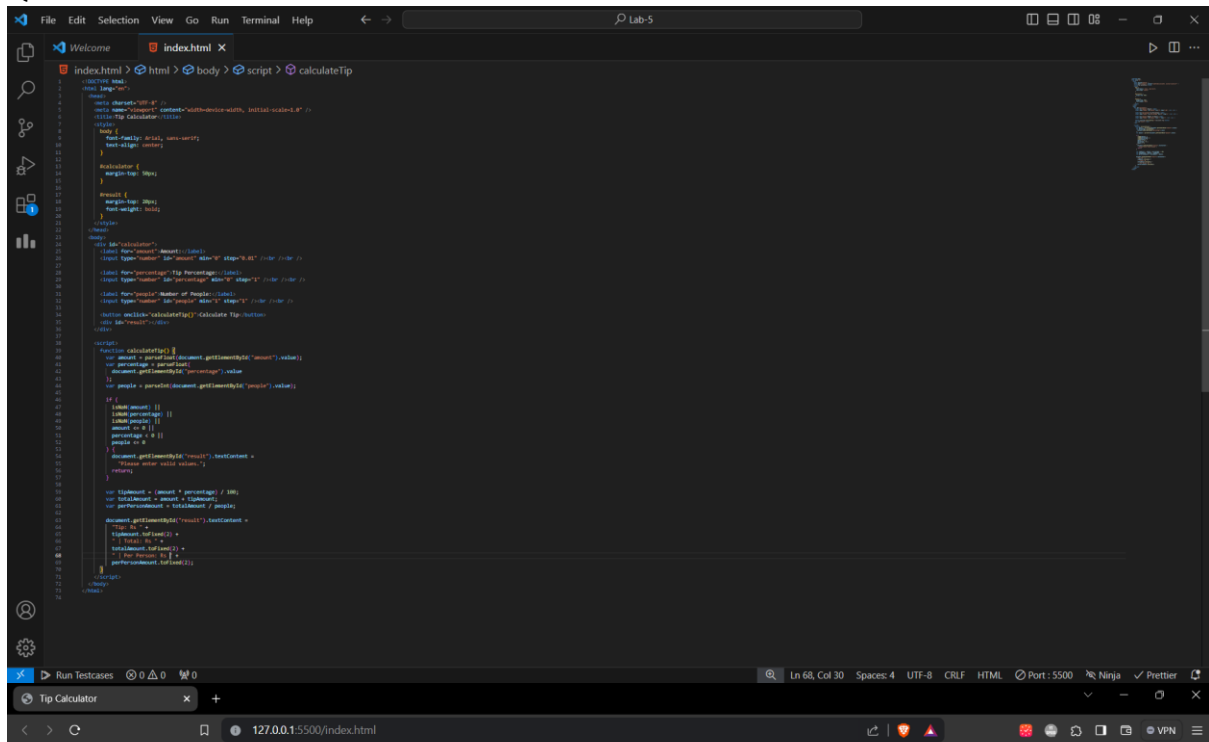
[Click Here](#)

I am an H1

This is a paragraph followed by a list

- I. This is 1
- II. This is 2

Q7.



```
index.html x
index.html > html > body > script > calculateTip

<script>
  const amount = document.getElementById('amount');
  const percentage = document.getElementById('percentage');
  const people = document.getElementById('people');
  const calculateTip = document.getElementById('calculateTip');

  function calculateTip() {
    const amount = document.getElementById('amount').value;
    const percentage = document.getElementById('percentage').value;
    const people = document.getElementById('people').value;

    if (amount < 0 || percentage < 0 || people < 0) {
      alert('Please enter valid values');
      return;
    }

    const tipAmount = (amount * percentage) / 100;
    const totalAmount = amount + tipAmount;
    const perPersonAmount = totalAmount / people;

    document.getElementById('result').textContent =
      `Total: $${totalAmount.toFixed(2)}  

      Tip: $${tipAmount.toFixed(2)}  

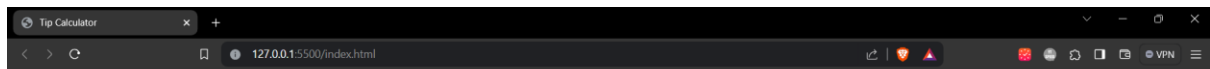
      Total per person: $${perPersonAmount.toFixed(2)}`;
  }

  calculateTip.addEventListener('click', calculateTip);
</script>
```

Amount:

Tip Percentage:

Number of People:



Amount:

Tip Percentage:

Number of People:



Amount:

Tip Percentage:

Number of People:

Tip: Rs 10.00 | Total: Rs 110.00 | Per Person: Rs 11.00