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ROLL NO. – 22CS3050

WEB TECHNOLOGY
LAB – 05

Q1.

127.0.0.1:5500/index.html

let's start

let's start | Replace

Lab-5

127.0.0.1:5500/index.html

let's start

let's start | Replace

Q2.


```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Lab-05</title>
    <style>
      body {
        font-family: Arial, sans-serif;
        text-align: center;
      }

      #count {
        font-size: 16px;
      }
    </style>
  </head>
  <body>
    <h2>Counter</h2>
    <button onclick="incrementCount()">Increment</button>
    <p id="count">0</p>

    <script>
      var count = 0;

      function incrementCount() {
        count++;
        document.getElementById("count").textContent = count;
        updateFontSize();
      }

      function updateFontSize() {
        var fontSize = 16 + count * 2;
        document.getElementById("count").style.fontSize = fontSize + "px";
      }
    </script>
  </body>
</html>
```
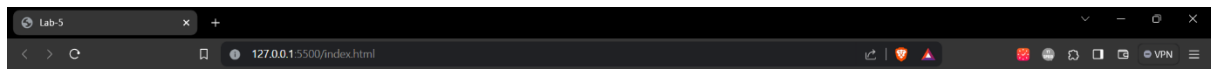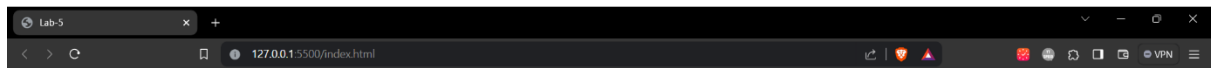
Counter

Increment

0

Counter

Increment

10
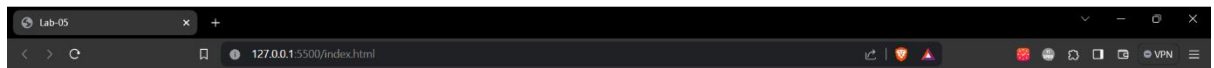
Counter

Increment

80

Q3.


```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Lab-05</title>
    <style>
      body {
        font-family: Arial, sans-serif;
        text-align: center;
      }

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

      #countList li {
        font-size: 16px;
        margin-bottom: 5px;
      }
    </style>
  </head>
  <body>
    <h2>Counter with List</h2>
    <button onclick="incrementCount()">Increment</button>
    <ul id="countList"></ul>

    <script>
      var count = 0;

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

      function updateList() {
        var listItem = document.createElement("li");
        listItem.textContent = count;
        listItem.style.fontSize = 16 + count * 2 + "px";
        document.getElementById("countList").appendChild(listItem);
      }
    </script>
  </body>
</html>
```
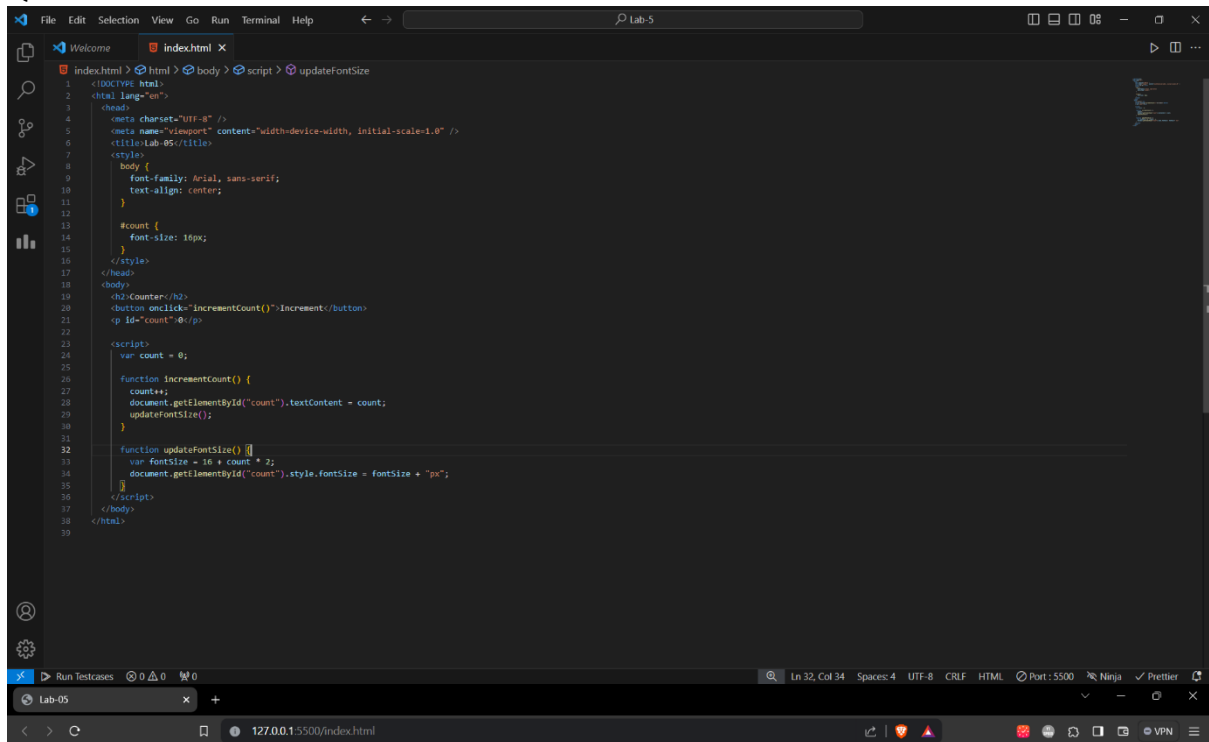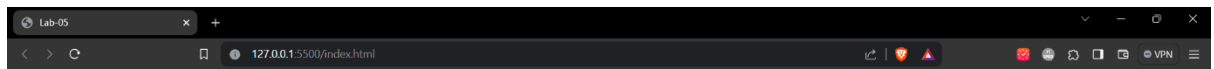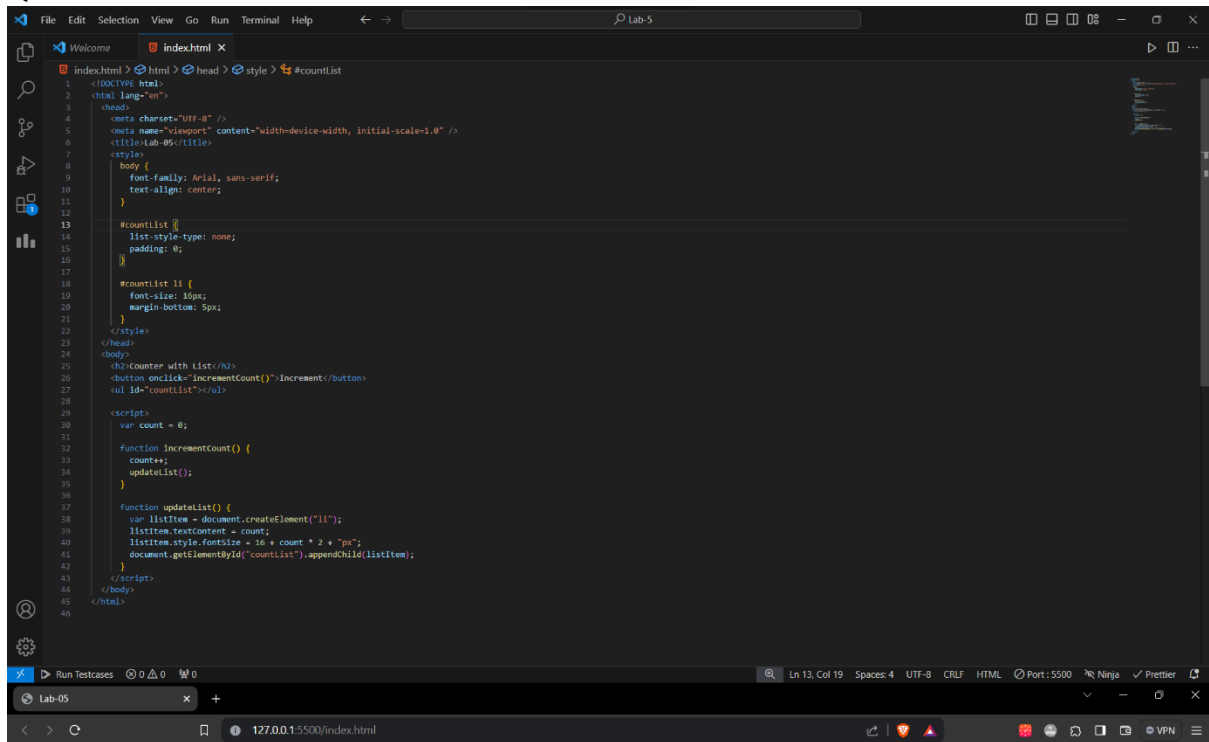
Counter with List

Increment

127.0.0.1:5500/index.html

Counter with List

Increment

1
2
3
4
5

127.0.0.1:5500/index.html
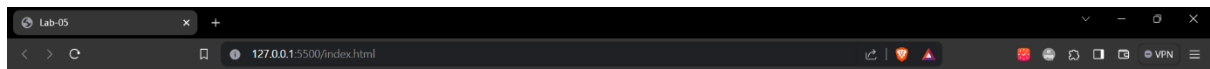
Counter with List

Increment

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

Q4.


```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Lab-05</title>
  </head>
  <body>
    <h2>Sum of Previous Rows</h2>
    <button onclick="addRow()">Add Row</button>
    <table id="dataTable" border="1">
      <tr>
        <th>Row</th>
        <th>Sum</th>
      </tr>
      <tr>
        <td>1</td>
        <td>1</td>
      </tr>
      <tr>
        <td>2</td>
        <td>1</td>
      </tr>
    </table>

    <script>
      function addRow() {
        var table = document.getElementById("dataTable");
        var rowCount = table.rows.length;
        var newRow = table.insertRow(rowCount);
        var prevRow1 = parseInt(table.rows[rowCount - 2].cells[1].innerText);
        var prevRow2 = parseInt(table.rows[rowCount - 1].cells[1].innerText);
        prevRow1 = isNaN(prevRow1) ? 0 : prevRow1;
        prevRow2 = isNaN(prevRow2) ? 0 : prevRow2;

        var sum = prevRow1 + prevRow2;

        var cell1 = newRow.insertCell(0);
        var cell2 = newRow.insertCell(1);
        cell1.innerText = rowCount;
        cell2.innerText = sum;
      }
    </script>
  </body>
</html>
```

Sum of Previous Rows

| Add Row |

Row	Sum
1	1
2	1

Sum of Previous Rows
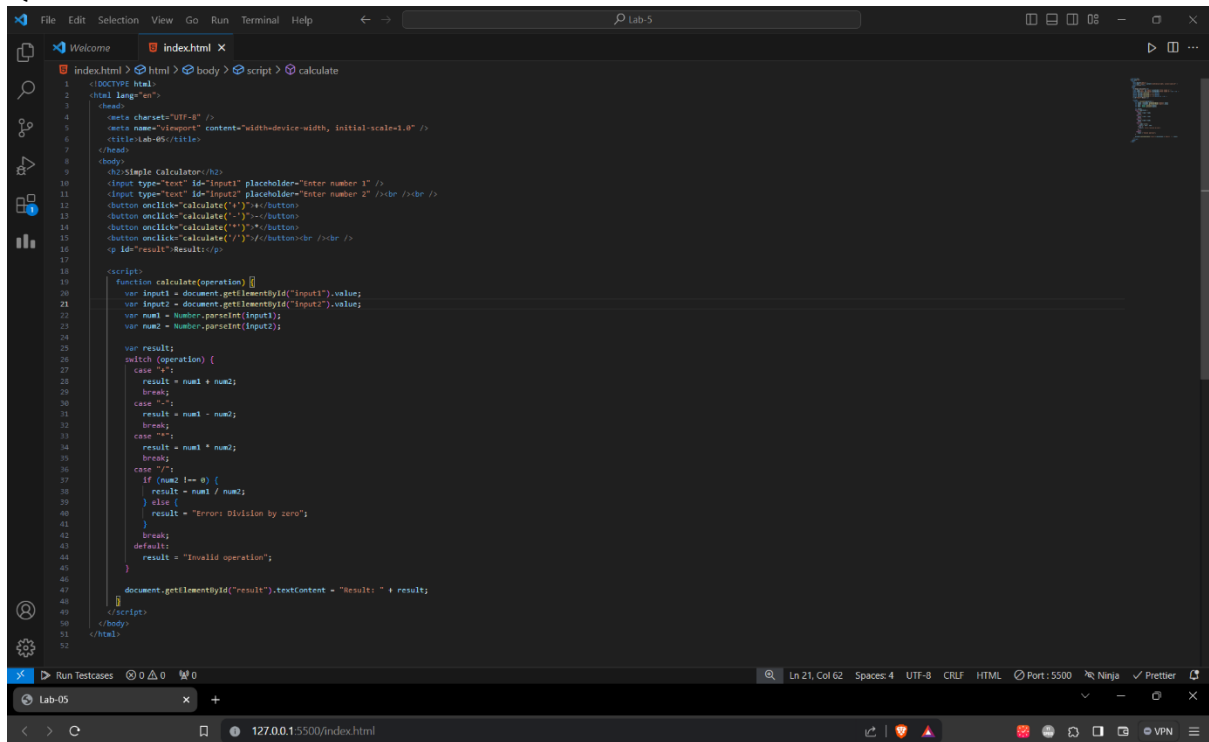
Add Row

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.


```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Lab-05</title>
  </head>
  <body>
    <h2>Simple Calculator</h2>
    <input type="text" id="input1" placeholder="Enter number 1" />
    <input type="text" id="input2" placeholder="Enter number 2" /><br /><br />
    <button onclick="calculate('+')">+</button>
    <button onclick="calculate('-')">-</button>
    <button onclick="calculate('*')">*</button>
    <button onclick="calculate('/')">/</button><br /><br />
    <p id="result">Result:</p>

    <script>
      function calculate(operation) {
        var input1 = document.getElementById("input1").value;
        var input2 = document.getElementById("input2").value;
        var num1 = Number.parseInt(input1);
        var num2 = Number.parseInt(input2);

        var result;
        switch (operation) {
          case "+":
            result = num1 + num2;
            break;
          case "-":
            result = num1 - num2;
            break;
          case "*":
            result = num1 * num2;
            break;
          case "/":
            if (num2 !== 0) {
              result = num1 / num2;
            } else {
              result = "Error: Division by zero";
            }
            break;
          default:
            result = "Invalid operation";
        }

        document.getElementById("result").textContent = "Result: " + result;
      }
    </script>
  </body>
</html>
```
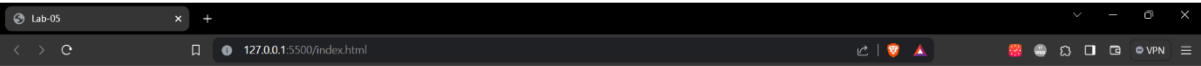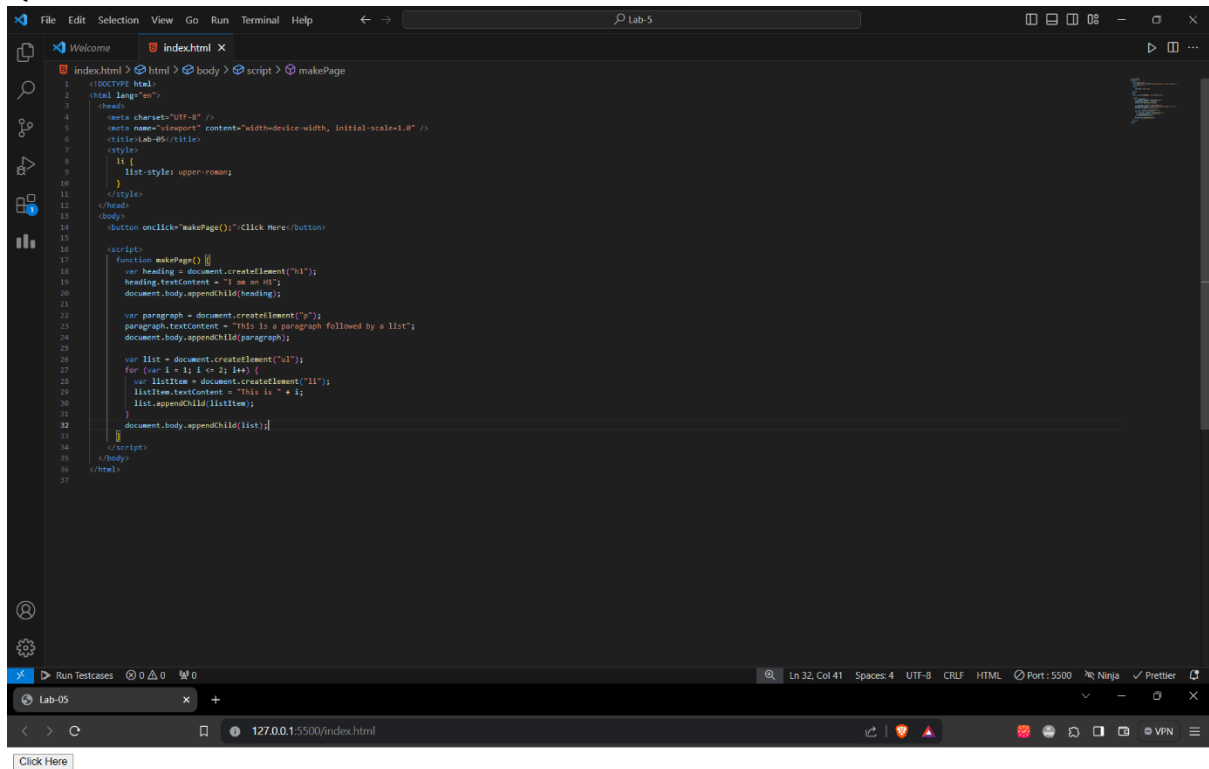
Simple Calculator

Enter number 1   Enter number 2

+ - * /

Result:

Simple Calculator

15   3

[+] [-] [*] [/]

Result: 18

Simple Calculator

15   3

[+] [-] [*] [/]

Result: 12

Simple Calculator

| 15 | 3 |

| + | - | * | / |

Result: 45

Simple Calculator

| 15 | 3 |

| + | - | * | / |

Result: 5

Q6.


```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Lab-05</title>
    <style>
      li {
        list-style: upper-roman;
      }
    </style>
  </head>
  <body>
    <button onclick="makePage();">Click Here</button>

    <script>
      function makePage() {
        var heading = document.createElement("h1");
        heading.textContent = "I am an H1";
        document.body.appendChild(heading);

        var paragraph = document.createElement("p");
        paragraph.textContent = "This is a paragraph followed by a list";
        document.body.appendChild(paragraph);

        var list = document.createElement("ul");
        for (var i = 1; i <= 2; i++) {
          var listItem = document.createElement("li");
          listItem.textContent = "This is " + i;
          list.appendChild(listItem);
        }
        document.body.appendChild(list);
      }
    </script>
  </body>
</html>
```
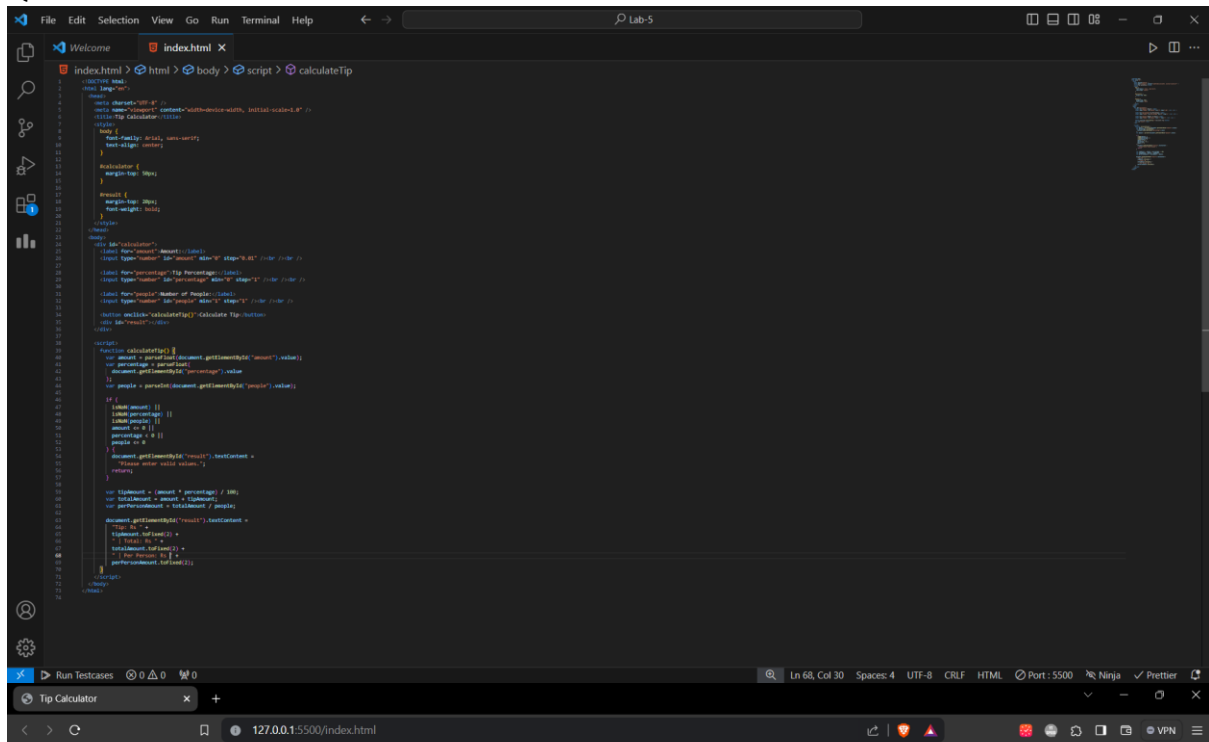
Click Here

127.0.0.1:5500/index.html

Click Here

I am an H1

This is a paragraph followed by a list

    I. This is 1
   II. This is 2

Q7.

Amount: [   ]

Tip Percentage: [   ]

Number of People: [   ]

Calculate Tip

Amount: 100

Tip Percentage: 10

Number of People: 10

Calculate Tip

Amount: 100

Tip Percentage: 10

Number of People: 10

Calculate Tip

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