WEB TECH
LAB-5

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1.

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Dynamic Text Replacement</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
            margin-top: 50px;
        }

        #word {
            font-size: 24px;
            margin-bottom: 20px;
            transition: transform 0.5s ease-in-out;
        }
    </style>
</head>

<body>
    <h2 id="word">Hello</h2>
    <input type="text" id="textInput" placeholder="Type a word or phrase">
    <button onclick="replaceWord()">Replace</button>

    <script>
        function replaceWord() {
            var inputText = document.getElementById("textInput").value;
            var wordElement = document.getElementById("word");
            wordElement.textContent = inputText;
            wordElement.style.transform = "rotateY(360deg)";
            setTimeout(function() {
```
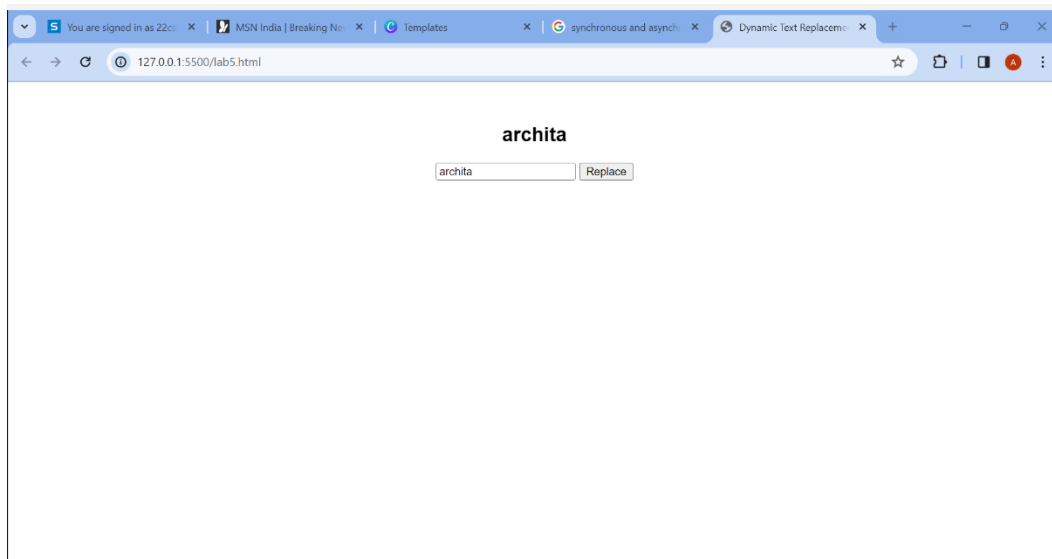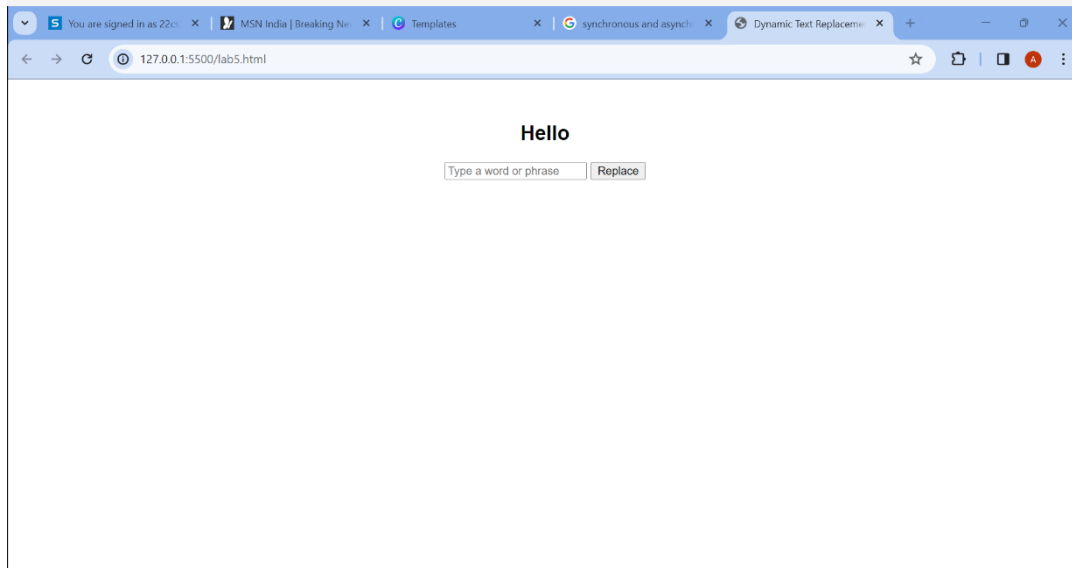
```
                wordElement.style.transform = "rotateY(0deg)";
            }, 500); // Reset the rotation after 0.5 seconds
        }
    </script>
</body>

</html>
```

T2.
```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Increment Counter</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
    margin-top: 50px;
  }

  #count {
    font-size: 16px;
    transition: font-size 0.2s;
  }
</style>
</head>
<body>
  <button onclick="incrementCounter()">Increment</button>
  <p id="count">0</p>

  <script>
    var count = 0;

    function incrementCounter() {
      count++;
      var countElement = document.getElementById("count");
      countElement.textContent = count;
      countElement.style.fontSize = count + "px";
    }
  </script>
</body>
</html>
```

Increment

7

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Increment Counter</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
    margin-top: 50px;
  }

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

  #countList li {
    font-size: 16px;
    transition: font-size 0.2s;
  }
</style>
</head>
<body>
  <button onclick="incrementCounter()">Increment</button>
  <ul id="countList"></ul>
```
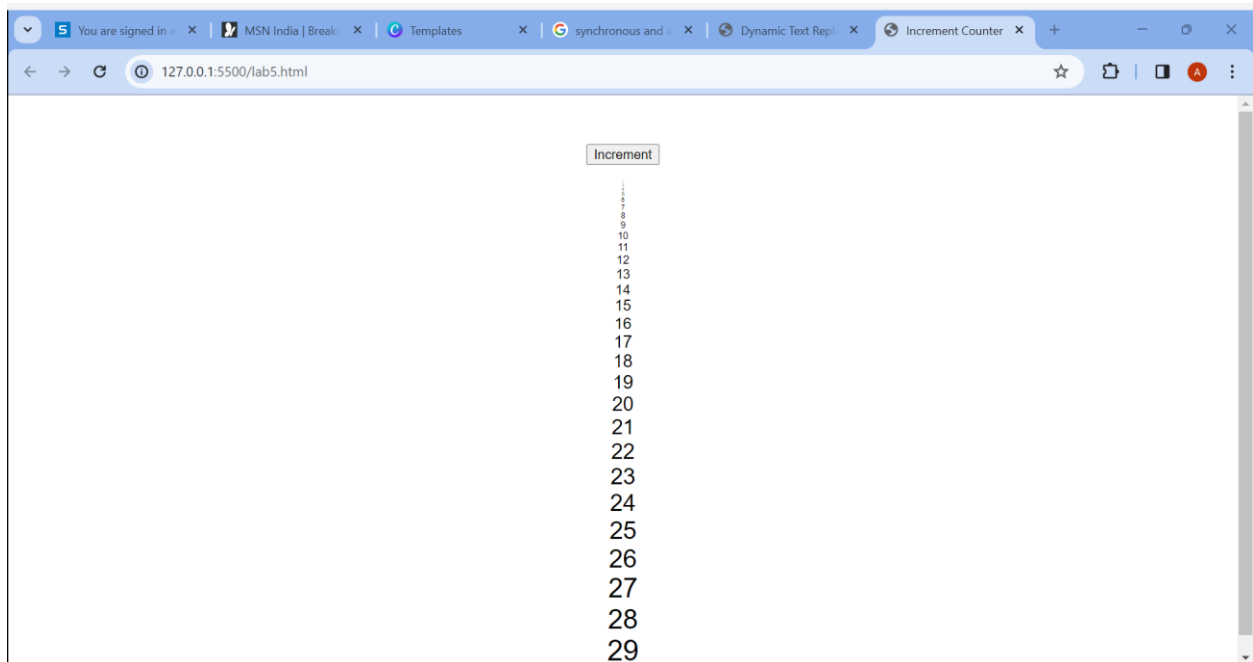
```
<script>
    var count = 0;

    function incrementCounter() {
        count++;
        var countList = document.getElementById("countList");
        var newItem = document.createElement("li");
        newItem.textContent = count;
        newItem.style.fontSize = count + "px";
        countList.appendChild(newItem);
    }
</script>
</body>
</html>
```

```
T4. <!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
```

```html
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Add Rows to Table</title>
</head>

<body>
    <table id="myTable">
        <thead>
            <tr>
                <th>Row</th>
                <th>Sum</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>1</td>
                <td>1</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("myTable").getElementsByTagName('tbody')[0];
            var rows = table.getElementsByTagName("tr");
            var lastRow = rows[rows.length - 1];
            var prevRow = lastRow.previousElementSibling;

            // Check if the previous row is the table header
            if (prevRow.tagName !== "TR") {
                prevRow = lastRow;
            }

            var sum = parseInt(lastRow.lastElementChild.innerText) +
parseInt(prevRow.lastElementChild.innerText);

            var newRow = document.createElement("tr");
            var rowNumber = rows.length + 1;
            newRow.innerHTML = "<td>" + rowNumber + "</td><td>" + sum + "</td>";
            table.appendChild(newRow);
```
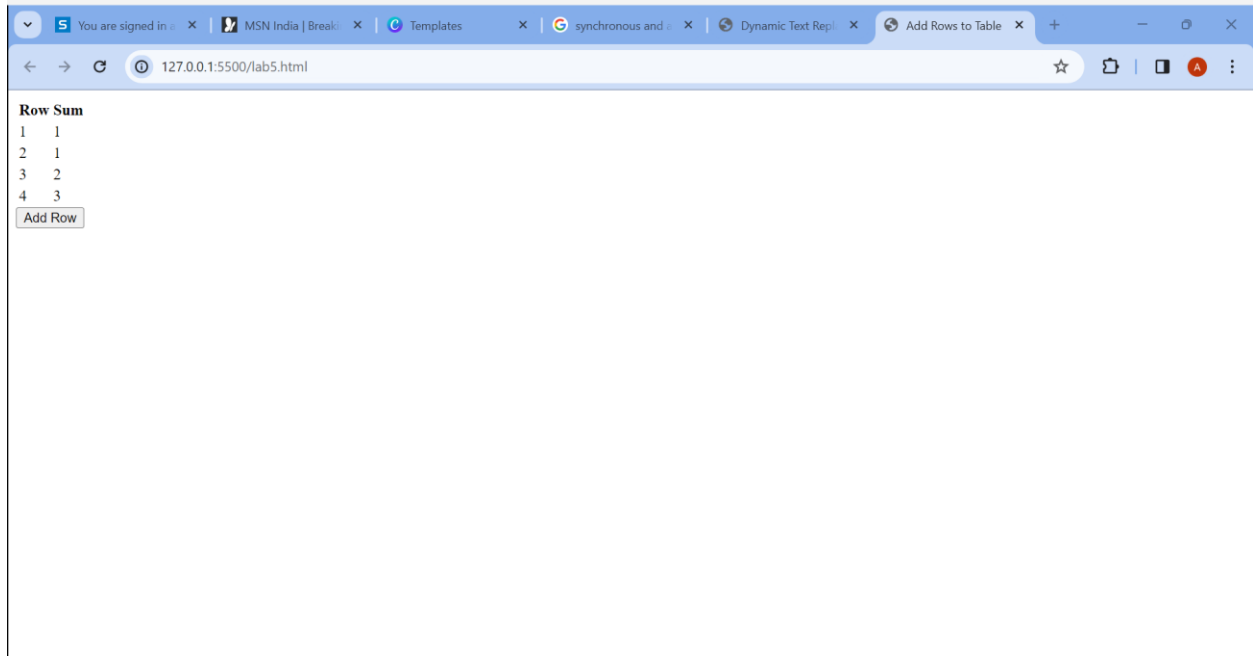
```
        }
    </script>
</body>

</html>
```


T5.

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Calculator</title>
</head>
<body>
  <input type="text" id="input1">
  <input type="text" id="input2"><br>
  <button onclick="calculate('+')">+</button>
  <button onclick="calculate('-')">-</button>
  <button onclick="calculate('')"></button>
  <button onclick="calculate('/')">/</button><br>
  <div id="result"></div>

  <script>
```
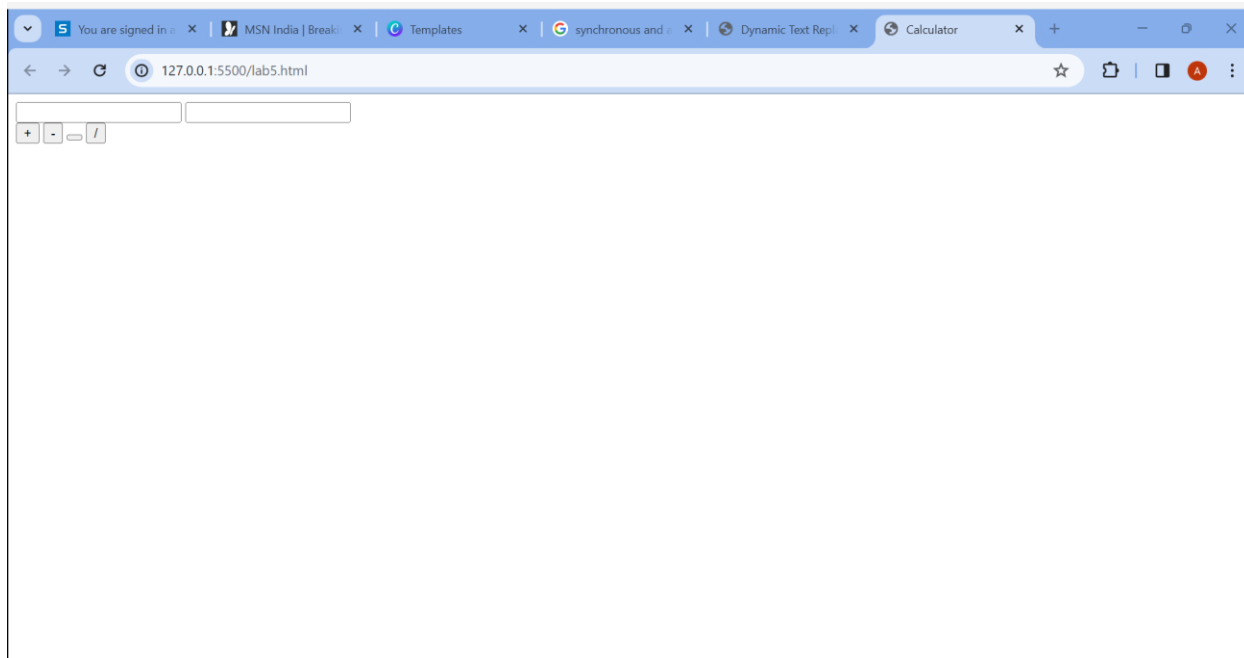
```
    function calculate(operator) {
      var input1 = Number.parseInt(document.getElementById("input1").value);
      var input2 = Number.parseInt(document.getElementById("input2").value);
      var result;

      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 = "Error: Division by zero";
          }
          break;
        default:
          result = "Error: Invalid operator";
          break;
      }

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

```
Q6  <!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Calculator</title>
</head>
<body>
  <input type="text" id="input1">
  <input type="text" id="input2"><br>
  <button onclick="calculate('+')">+</button>
  <button onclick="calculate('-')">-</button>
  <button onclick="calculate('')"></button>
  <button onclick="calculate('/')">/</button><br>
  <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 result;

      switch (operator) {
        case '+':
          result = input1 + input2;
```
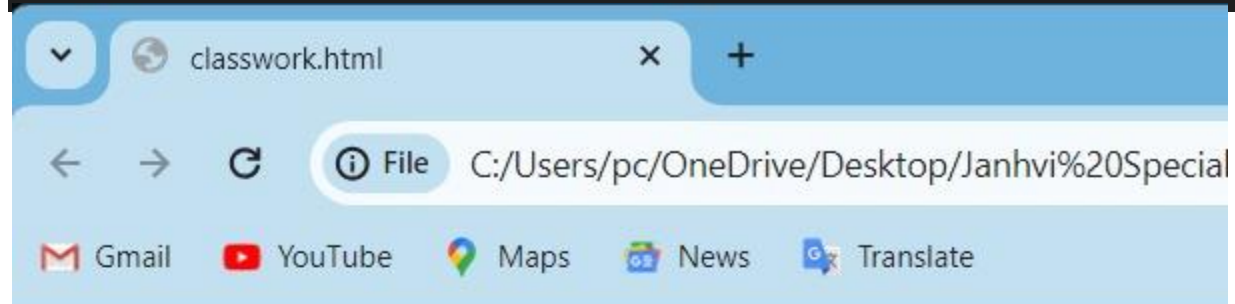
```
          break;
        case '-':
          result = input1 - input2;
          break;
        case '*':
          result = input1 * input2;
          break;
        case '/':
          if (input2 !== 0) {
            result = input1 / input2;
          } else {
            result = "Error: Division by zero";
          }
          break;
        default:
          result = "Error: Invalid operator";
          break;
      }

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

```
7. <!DOCTYPE html>
<html lang="en">
<head>
```

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M Gmail   ▶ YouTube   ◉ Maps   News   Translate

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I AM ARCHITA AGRAHARI

THERE IS LIST OF ITEMS BELOW PARAGRAPH

    I. Item 1
    II. Item 2
    III. Item 3

    I. Item 1
    II. Item 2
    III. Item 3

```html
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Tip Calculator</title>
<style>
    body {
        font-family: Arial, sans-serif;
        display: flex;
        align-items: center;
        justify-content: center;
        height: 100vh;
        margin: 0;
    }

    #tip-calculator {
        text-align: center;
        max-width: 400px;
        width: 100%;
    }

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

    button {
        padding: 10px;
        background-color: #4CAF50;
        color: white;
        border: none;
        cursor: pointer;
        width: 100%;
    }

    #tip-result {
        margin-top: 20px;
        font-size: 1.2em;
    }
</style>
```

```html
</head>
<body>
    <div id="tip-calculator">
        <h2>Tip Calculator</h2>
        <label for="billAmount">Bill Amount</label>
        <input type="number" id="billAmount" placeholder="Enter bill
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="numPeople">Number of People</label>
        <select id="numPeople">
            <option value="1">1 person</option>
            <option value="2">2 people</option>
            <option value="3">3 people</option>
            <option value="4">4 people</option>
        </select>

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

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

    <script>
        function calculateTip() {
            // Get values from inputs
            var billAmount =
parseFloat(document.getElementById('billAmount').value);
            var tipPercentage =
parseInt(document.getElementById('tipPercentage').value);
            var numPeople =
parseInt(document.getElementById('numPeople').value);

            // Calculate tip
            var tipAmount = (billAmount * tipPercentage) / 100;
            var totalAmount = billAmount + tipAmount;
            var tipPerPerson = tipAmount / numPeople;
```

```
            // Display the result
            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>
```

Tip Calculator

Bill Amount

10000

Tip Percentage

15% Number of People

4 people

Calculate Tip