

WEBTECH LAB-5

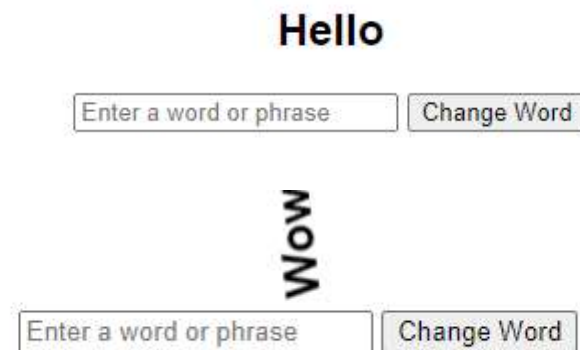
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Q1.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>Word Spinner</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  #word {
    font-size: 24px;
    margin-top: 20px;
  }
  #spinner {
    animation: spin 1s 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() {
    var input = document.getElementById("textInput").value;
    document.getElementById("word").innerText = input;
    document.getElementById("word").id = "spinner";
    document.getElementById("textInput").value = "";
  }
</script>
```

```
</body>
</html>
```



Q2.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>Count Incrementer</title>
<style>
  body {
    font-family: Arial, sans-serif;
    text-align: center;
  }
  #count {
    font-size: 20px;
  }
</style>
</head>
<body>
<p id="count">0</p>
<button onClick="incrementCount()">Increment</button>

<script>
  function incrementCount() {
    var countParagraph = document.getElementById("count");
    var currentCount = parseInt(countParagraph.innerText);
    var newCount = currentCount + 1;
```

```

        countParagraph.innerText = newCount;
        countParagraph.style.fontSize = (20 + newCount) + "px";
    }
</script>
</body>
</html>

```

0

Increment

4

Increment

Q3.

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>Count Incrementer with List</title>
<style>
    body {
        font-family: Arial, sans-serif;
        text-align: center;
    }
    #countList {
        list-style-type: none;
    }
    .countItem {
        font-size: 20px;
    }
</style>
</head>
<body>
<ul id="countList"></ul>
<button onClick="incrementCount()">Increment</button>

<script>
    var count = 0;

```

```

function incrementCount() {
    count++;
    var countList = document.getElementById("countList");
    var listItem = document.createElement("li");
    listItem.textContent = count;
    listItem.classList.add("countItem");
    countList.appendChild(listItem);
    listItem.style.fontSize = (20 + count) + "px";
}
</script>
</body>
</html>

```



Q4.

```

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

```

```
        margin: 20px;
    }

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

    table {
        border-collapse: collapse;
        margin-top: 20px;
        width: 100%;
    }

    th, td {
        border: 1px solid #ddd;
        padding: 8px;
        text-align: center;
    }

    th {
        background-color: #f2f2f2;
    }
</style>
</head>
<body>
    <button onclick="addRow()">Add Row</button>
    <table id="myTable">
        <tr>
            <th>Value 1</th>
            <th>Value 2</th>
        </tr>
        <tr>
            <td>1</td>
            <td>2</td>
        </tr>
        <tr>
            <td>3</td>
            <td>4</td>
        </tr>
    </table>
```

```

<script>
    function addRow() {
        var table = document.getElementById('myTable');
        var rows = table.getElementsByTagName('tr');

        var newRow = document.createElement('tr');

        if (rows.length >= 2) {
            var lastRow = rows[rows.length - 1];
            var prevRow = rows[rows.length - 2];

            for (var i = 0; i < lastRow.children.length; i++) {
                var lastCellValue =
parseInt(lastRow.children[i].innerText);
                var prevCellValue =
parseInt(prevRow.children[i].innerText);

                var newCell = document.createElement('td');
                newCell.innerText = lastCellValue +
prevCellValue;

                newRow.appendChild(newCell);
            }
        } else {
            var newCell = document.createElement('td');
            newCell.innerText = '1';
            newRow.appendChild(newCell);

            newCell = document.createElement('td');
            newCell.innerText = '1';
            newRow.appendChild(newCell);
        }

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

```

Add Row	
Value 1	Value 2
1	2
3	4

Add Row	
Value 1	Value 2
1	2
3	4
4	6
7	10

Q5.

```
<!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" placeholder="Enter a number">
  <input type="text" id="input2" placeholder="Enter another number">
  <br><br>
  <button onclick="add()">+</button>
  <button onclick="subtract()">-</button>
  <button onclick="multiply()">*</button>
  <button onclick="divide()">/</button>
  <br><br>
  <div id="result"></div>

<script>
  function add() {
    var num1 = parseInt(document.getElementById("input1").value);
    var num2 = parseInt(document.getElementById("input2").value);
    document.getElementById("result").innerText = num1 + num2;
  }

  function subtract() {
    var num1 = parseInt(document.getElementById("input1").value);
    var num2 = parseInt(document.getElementById("input2").value);
    document.getElementById("result").innerText = num1 - num2;
  }
}
```

```

}

function multiply() {
    var num1 = parseInt(document.getElementById("input1").value);
    var num2 = parseInt(document.getElementById("input2").value);
    document.getElementById("result").innerText = num1 * num2;
}

function divide() {
    var num1 = parseInt(document.getElementById("input1").value);
    var num2 = parseInt(document.getElementById("input2").value);
    if (num2 === 0) {
        document.getElementById("result").innerText = "Cannot divide
by zero";
    } else {
        document.getElementById("result").innerText = num1 / num2;
    }
}
</script>
</body>
</html>

```

23	43
----	----

66

23	43
----	----

-20

+

-

*

/

989

+

-

*

/

0.5348837209302325

Q6.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Document</title>
</head>
<body>
  <button class="btn">Click me!</button>
  <div class="body"></div>
  <script>
    let onclick = ()=>{
      body = document.querySelector(".body");
      let heading = document.createElement("h1")
      heading.textContent = "I am H1";
      body.appendChild(heading);
      let para = document.createElement("p");
      para.textContent = "I am para";
      body.appendChild(para)
      let ul = document.createElement('ul');
      let li1 = document.createElement("li");
      li1.textContent = 'one';
      let li2 = document.createElement("li");
      li2.textContent = 'two';
      ul.appendChild(li1);
      ul.appendChild(li2);
      body.appendChild(ul);
    }
  </script>

```

```

    }

    document.querySelector(".btn").addEventListener("click",onclick);
  </script>
</body>
</html>

```

Click me!

Click me!

I am H1

I am para

- one
- two

Q7.

```

<!DOCTYPE html>
<html lang="en">
<head>
<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;
    text-align: center;
  }
  #result {
    font-size: 24px;
    margin-top: 20px;
  }

```

```
</style>
</head>
<body>
  <h2>Tip Calculator</h2>
  <label for="amount">Amount:</label>
  <input type="number" id="amount" min="0" step="0.01"><br><br>

  <label for="percentage">Tip Percentage:</label>
  <input type="number" id="percentage" min="0" max="100"
step="0.01"><br><br>

  <label for="people">Number of People:</label>
  <input type="number" id="people" min="1" step="1"><br><br>

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

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

<script>
  function calculateTip() {
    var amount =
parseFloat(document.getElementById("amount").value);
    var percentage =
parseFloat(document.getElementById("percentage").value);
    var people = parseInt(document.getElementById("people").value);

    if (isNaN(amount) || isNaN(percentage) || isNaN(people) ||
amount <= 0 || percentage < 0 || people <= 0) {
      document.getElementById("result").innerText = "Please enter
valid values.";
    } else {
      var tipAmount = (amount * percentage / 100) / people;
      document.getElementById("result").innerText = "Tip per person:
$" + tipAmount.toFixed(2);
    }
  }
</script>
</body>
</html>
```

Tip Calculator

Amount:

Tip Percentage:

Number of People:

Tip per person: \$1.00