

LAB-05

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Q.1

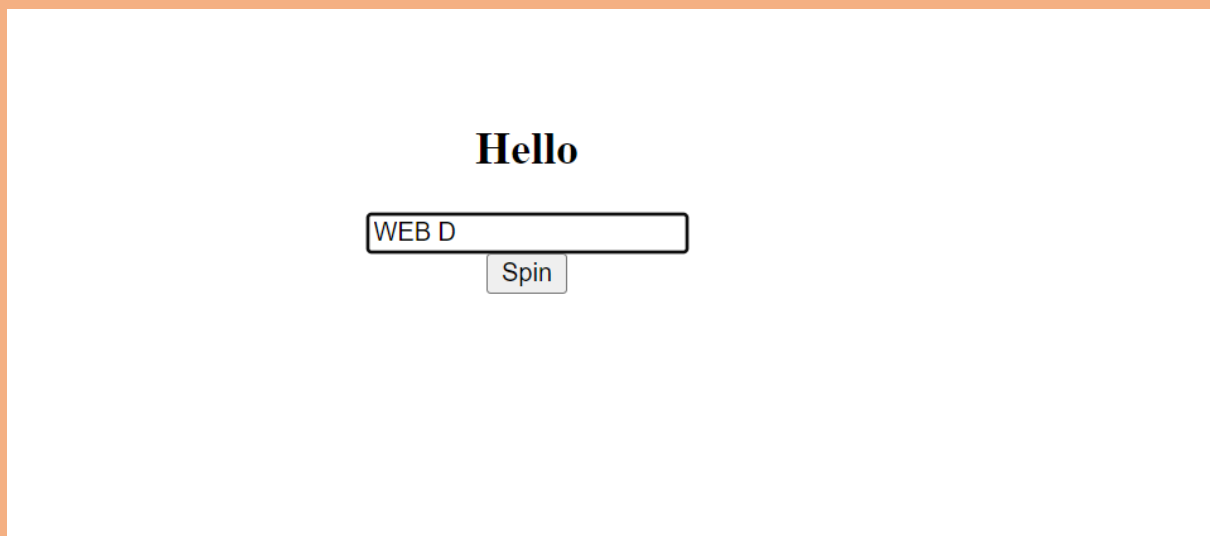
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
    }

    h2 {
      transition: transform 0.5s ease-in-out;
    }

    .spin {
      transform: rotate(360deg);
    }
  </style>
  <script>
    document.addEventListener("DOMContentLoaded", function () {
      const inputBox = document.getElementById("inputBox");
      const displayText = document.getElementById("displayText");
      const spinButton = document.getElementById("spinButton");
```

```
spinButton.addEventListener("click", function () {  
  const newText = inputBox.value;  
  displayText.innerText = newText;  
  
  displayText.classList.add("spin");  
  
  setTimeout(() => {  
    displayText.classList.remove("spin");  
  }, 500);  
});  
</script>  
</head>  
<body>  
  <h2 id="displayText">Hello</h2>  
  <input type="text" id="inputBox" placeholder="Enter text">  
  <button id="spinButton">Spin</button>  
</body>  
</html>
```

OUTPUT





Q.2

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
      font-family: Arial, sans-serif;
    }

    #add {
      font-size: 16px;
      transition: font-size 0.2s ease-in-out;
    }

    button {
      margin-top: 10px;
      padding: 10px;
      font-size: 14px;
      cursor: pointer;
    }
  </style>
  <script>
    document.addEventListener("DOMContentLoaded", function () {
      const addParagraph = document.getElementById("add");
```

```
const addParagraph = document.getElementById("add");
const incrementButton = document.getElementById("incrementButton");

let add = 0;

incrementButton.addEventListener("click", function () {
  add++;
  addParagraph.innerText = `add: ${add}`;

  const fontSize = 16 + add * 2;
  addParagraph.style.fontSize = `${fontSize}px`;
});
});
</script>
</head>
<body>
  <p id="add">add: 0</p>
  <button id="incrementButton">ADD</button>
</body>
</html>
```

OUTPUT

add: 3

ADD

Q.3

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
      font-family: Arial, sans-serif;
    }

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

    button {
      margin-top: 10px;
      padding: 10px;
      font-size: 14px;
      cursor: pointer;
    }
  </style>
  <script>
    document.addEventListener("DOMContentLoaded", function () {

```

```

      const countList = document.getElementById("countList");
      const incrementButton = document.getElementById("incrementButton");

      let count = 0;

      incrementButton.addEventListener("click", function () {
        count++;

        const listItem = document.createElement("li");
        listItem.textContent = `Count: ${count}`;

        countList.appendChild(listItem);
      });
    });
  </script>
</head>
<body>
  <ul id="countList"></ul>
  <button id="incrementButton">Increment</button>
</body>
</html>

```

OUTPUT

Count: 1
Count: 2
Count: 3
Count: 4
Count: 5

Increment

Q.4

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Add Row with Sum</title>
<style>
  table {
    border-collapse: collapse;
    width: 100%;
  }
  th, td {
    border: 1px solid black;
    padding: 8px;
    text-align: center;
  }
  button {
    margin-top: 10px;
    padding: 5px 10px;
    font-size: 16px;
  }
</style>
</head>
<body>

<table id="myTable">
  <thead>
    <tr>
      <th>Row Number</th>
      <th>Value</th>
```

```
</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");
  var rowCount = table.rows.length;
  var lastRow = table.rows[rowCount - 1];
  var previousRow = table.rows[rowCount - 2];

  var newValue = parseInt(lastRow.lastChild.innerText) + parseInt(previousRow.lastChild.innerText);

  var newRow = table.insertRow();
  var cell1 = newRow.insertCell(0);
  var cell2 = newRow.insertCell(1);
```

```
cell1.innerText = rowCount;
cell2.innerText = newValue;
}
</script>

</body>
</html>
```

OUTPUT

Row Number	Value
1	1
2	1
3	NaN
4	NaN
5	NaN
6	NaN

Add Row

Q.5

```

<!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>
  <h1>Simple Calculator</h1>
  <label for="num1">Number 1:</label>
  <input type="text" id="num1" name="num1">
  <br>
  <label for="num2">Number 2:</label>
  <input type="text" id="num2" name="num2">
  <br>
  <button onclick="calculate('+')">+</button>
  <button onclick="calculate('-')">-</button>
  <button onclick="calculate('*')"></button>
  <button onclick="calculate('/')">/</button>
  <br>
  <p id="result"></p>
  <script>
    function calculate(operator) {
      const num1 = Number.parseInt(document.getElementById("num1").value);
      const num2 = Number.parseInt(document.getElementById("num2").value);
      let result = 0;

      switch (operator) {
        case "+":

```

```

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

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

```

OUTPUT

Simple Calculator

Number 1:

Number 2:

4

Q6.

```
<html>
<head>
  <style>
    .container ul {
      list-style-type: none;
      padding: 20;
    }
  </style>
</head>
<body>
  <button onclick="makePage();">Click Here</button>
  <script>
    function makePage() {
      // Create container div
      var container = document.createElement('div');
      container.className = 'container';

      // Create header
      var header = document.createElement('h1');
      header.textContent = 'I am an H1';
      container.appendChild(header);

      // Create paragraph
      var paragraph = document.createElement('p');
      paragraph.textContent = 'This is a paragraph followed by a list';
      container.appendChild(paragraph);

      // Create unordered list
      var ul = document.createElement('ul');
```

```
      // Create list items
      var li1 = document.createElement('li');
      li1.textContent = 'I. This is first';
      ul.appendChild(li1);

      var li2 = document.createElement('li');
      li2.textContent = 'II. This is second';
      ul.appendChild(li2);

      // Append unordered list to container
      container.appendChild(ul);

      // Append container to the body
      document.body.appendChild(container);
    }
  </script>
</body>
</html>
```

OUTPUT

[Click Here](#)

I am an H1

This is a paragraph followed by a list

- I. This is first
- II. This is second

I am an H1

This is a paragraph followed by a list

- I. This is first
- II. This is second