LAB-5

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T.1

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 1</title>
<style>
  #hello {
    animation: spin 2s linear infinite;
  }

  @keyframes spin {
    0% { transform: rotate(0deg); }
    100% { transform: rotate(360deg); }
  }
</style>
</head>
<body>
<h2 id="hello">Hello</h2>
<input type="text" id="textInput">
<button onclick="changeText()">Change Text</button>

<script>
function changeText() {
  var newText = document.getElementById("textInput").value;
  document.getElementById("hello").innerText = newText;
}
</script>
</body>
</html>
```
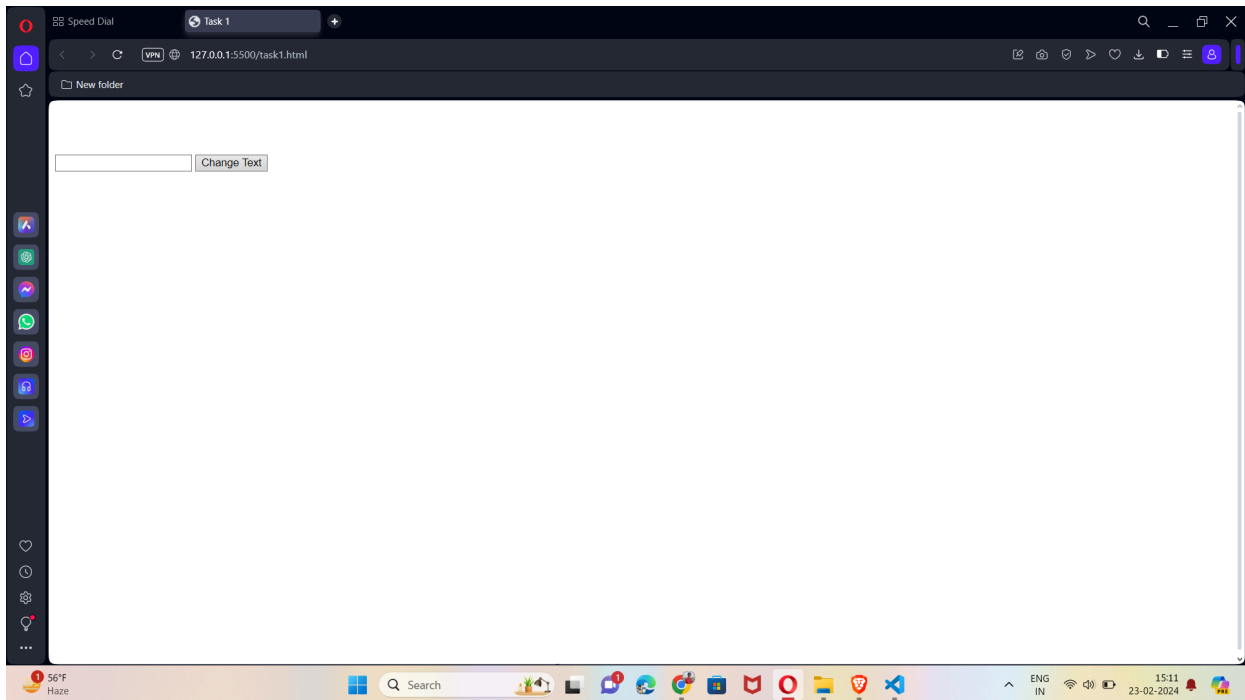
Output:

T.2

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 2</title>
</head>
<body>
<button onclick="increment()">Increment</button>
<p id="count">0</p>

<script>
function increment() {
  var countParagraph = document.getElementById("count");
  var currentCount = parseInt(countParagraph.innerText);
  currentCount++;
  countParagraph.innerText = currentCount;
  countParagraph.style.fontSize = currentCount + "px";
}
</script>
</body>
```
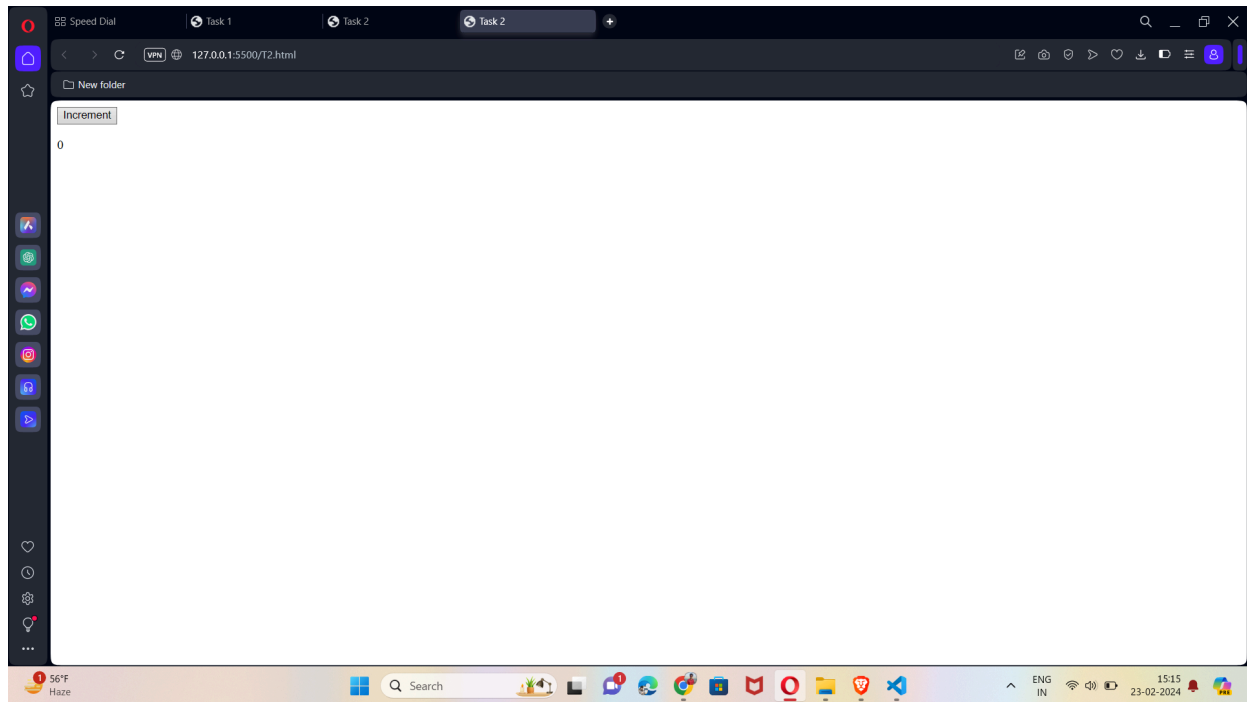
```
</html>
```

Output:

T.3

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 3</title>
</head>
<body>
<button onclick="addListItem()">Add Item</button>
<ul id="numberList">
  <li>1</li>
  <li>1</li>
</ul>

<script>
function addListItem() {
  var numberList = document.getElementById("numberList");
  var items = numberList.getElementsByTagName("li");
  var newItem = document.createElement("li");
```
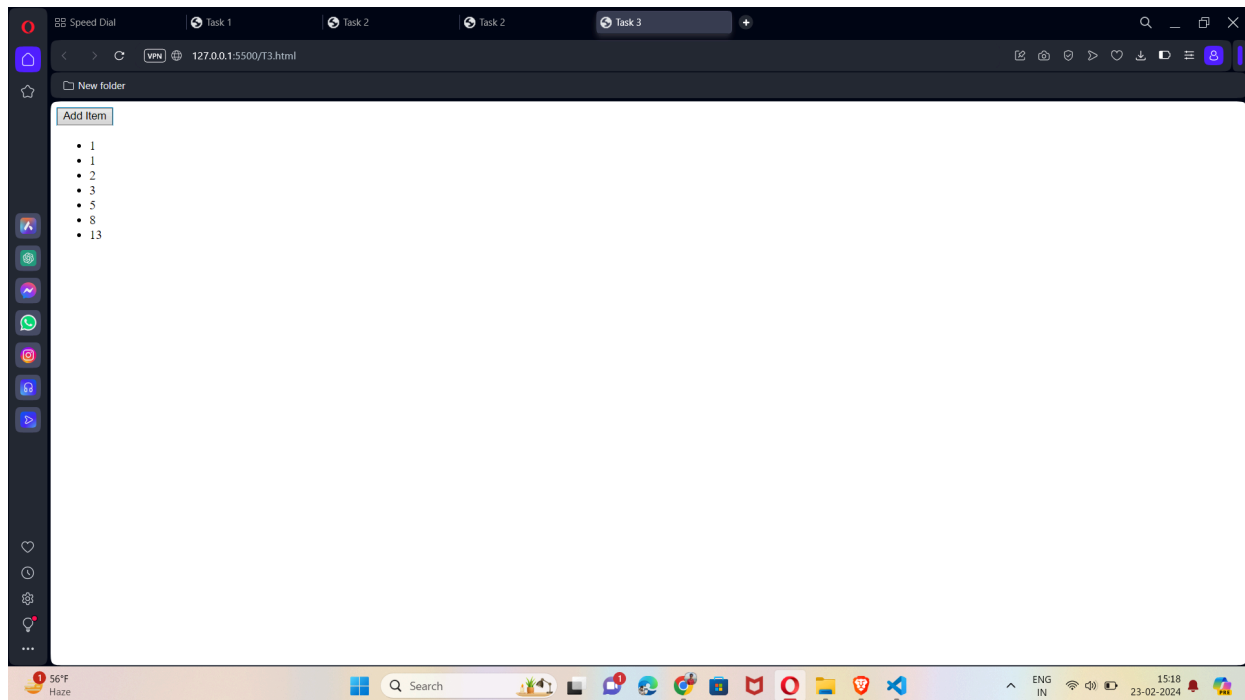
```
    var sum = parseInt(items[items.length - 1].innerText) +
parseInt(items[items.length - 2].innerText);
    newItem.innerText = sum;
    numberList.appendChild(newItem);
}
</script>
</body>
</html>
```
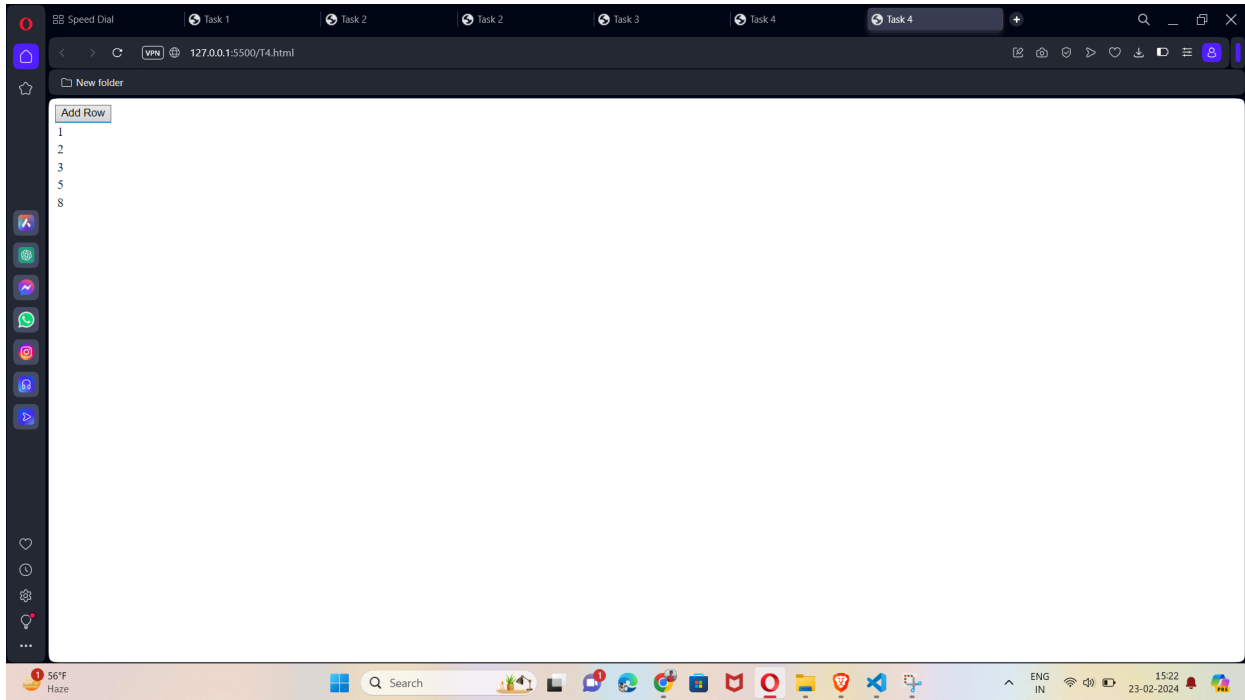
Output:

T.4

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 4</title>
</head>
<body>
<button onclick="addRow()">Add Row</button>
<table id="myTable">
    <tr>
```

```html
    <td>1</td>
  </tr>
  <tr>
    <td>2</td>
  </tr>
</table>

<script>
function addRow() {
  var table = document.getElementById("myTable");
  var rows = table.getElementsByTagName("tr");
  var newRow = document.createElement("tr");
  var sum = parseInt(rows[rows.length - 1].innerText) +
parseInt(rows[rows.length - 2].innerText);
  var newCell = document.createElement("td");
  newCell.innerText = sum;
  newRow.appendChild(newCell);
  table.appendChild(newRow);
}
</script>
</body>
</html>
```
Output:

127.0.0.1:5500/T4.html

New folder

Add Row
1
2
3
5
8

T.5

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 5</title>
</head>
<body>
<input type="text" id="input1">
<input type="text" id="input2">
<button onclick="calculate('+')">+</button>
<button onclick="calculate('-')">-</button>
<button onclick="calculate('*')">*</button>
<button onclick="calculate('/')">/</button>
<p id="result"></p>

<script>
function calculate(operator) {
  var input1 = parseInt(document.getElementById("input1").value);
  var input2 = parseInt(document.getElementById("input2").value);
  var result = document.getElementById("result");
```
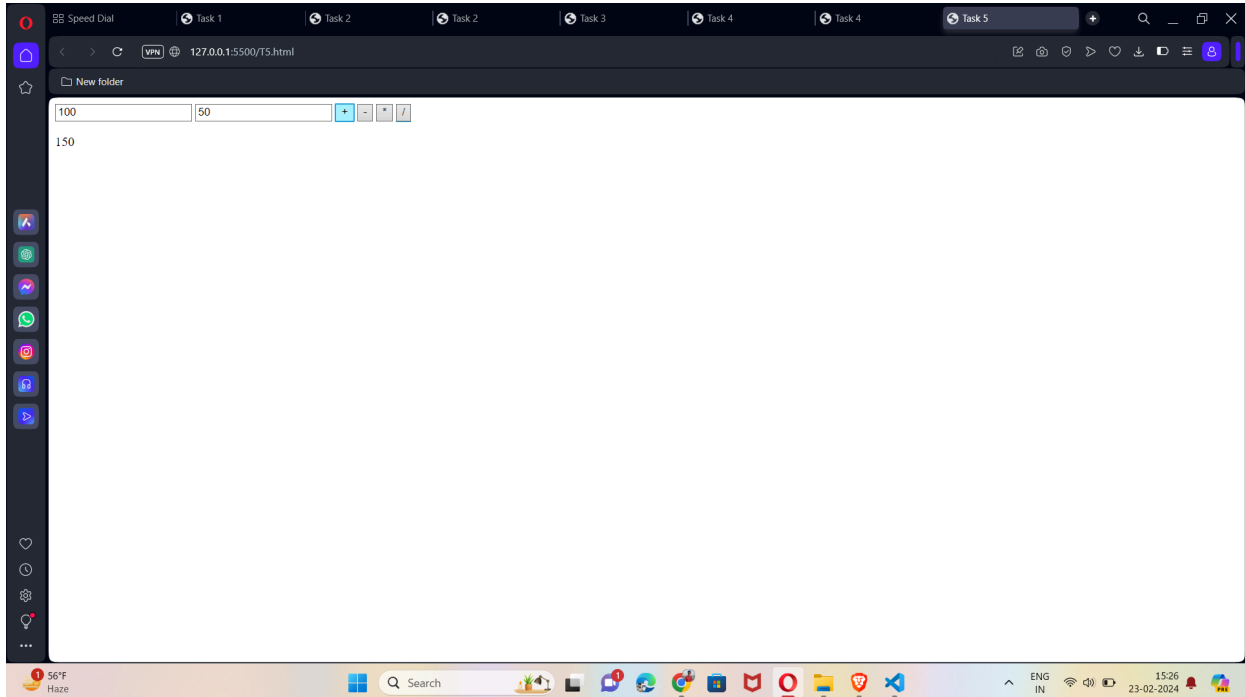
```javascript
    if (operator === '+') {
      result.innerText = input1 + input2;
    } else if (operator === '-') {
      result.innerText = input1 - input2;
    } else if (operator === '*') {
      result.innerText = input1 * input2;
    } else if (operator === '/') {
      if (input2 !== 0) {
        result.innerText = input1 / input2;
      } else {
        result.innerText = "Cannot divide by zero";
      }
    }
}
</script>
</body>
</html>
```

Output:

T.6

```html
<!DOCTYPE html>
```

```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Create Page</title>
</head>
<body>
<button onclick="makePage();">Click Here</button>

<h1>Hii I am an ROBO</h1>
<p>This si a paragraph followed by list </p>
<li>
    <ol>
        <li>This is first list</li>
    </ol>
    <ol>
        <li>This is second list</li>
    </ol>
</li>
</body>
</html>
```
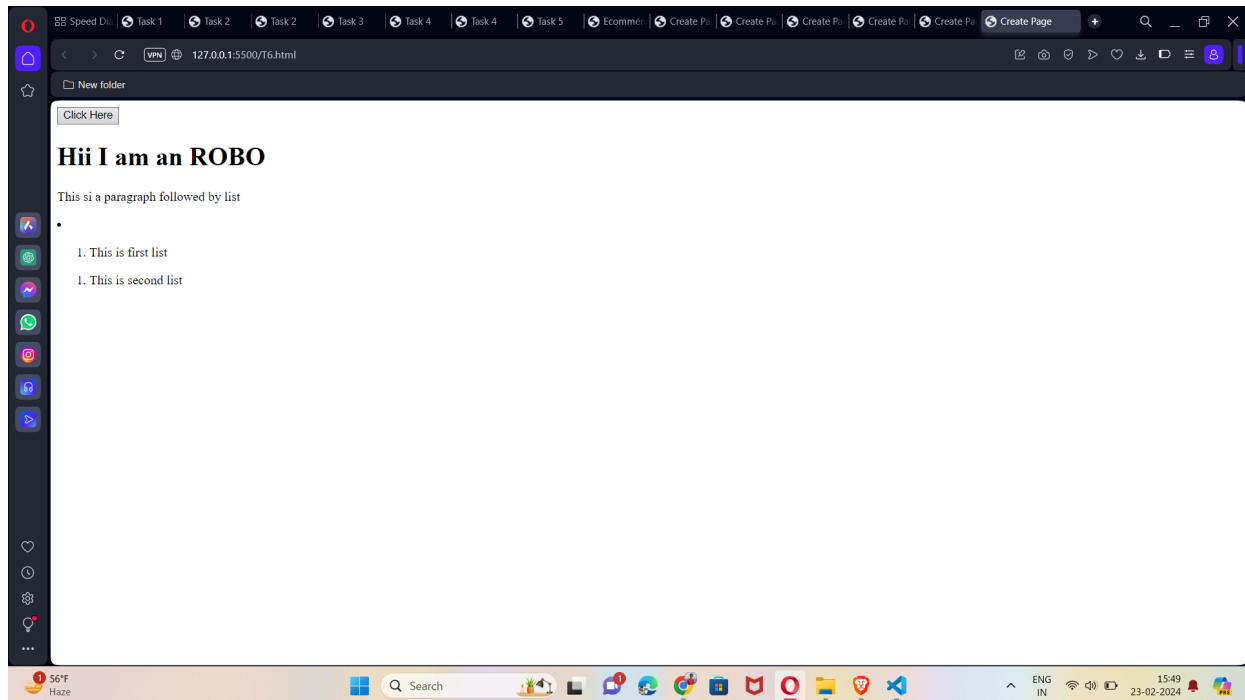
Output:

```html
<!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;
    margin-top: 50px;
  }
  input[type="range"] {
    width: 80%;
    margin-bottom: 10px;
  }
</style>
</head>
<body>
  <h1>Tip Calculator</h1>
  <label for="tipAmountRange">Tip Amount: <span
id="tipAmountDisplay">15%</span></label><br>
  <input type="range" min="0" max="30" value="15" id="tipAmountRange"><br>

  <label for="splitCountRange">Split Between: <span
id="splitCountDisplay">1</span> person(s)</label><br>
  <input type="range" min="1" max="10" value="1" id="splitCountRange"><br>

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

  <div id="tipAmountResult"></div>

  <script>

    function calculateTip() {

      var tipPercentage = document.getElementById("tipAmountRange").value;
      var splitCount = document.getElementById("splitCountRange").value;
```

```
        var tipAmount = tipPercentage * 0.01;


        var tipResult = document.getElementById("tipAmountResult");
        tipResult.innerHTML = "";
        var tipText = "Tip amount per person: $" + (tipAmount /
splitCount).toFixed(2);
        tipResult.innerHTML = tipText;
    }

    document.getElementById("tipAmountRange").addEventListener("input",
function() {
        document.getElementById("tipAmountDisplay").textContent = this.value
+ "%";
    });

    document.getElementById("splitCountRange").addEventListener("input",
function() {
        document.getElementById("splitCountDisplay").textContent =
this.value;
    });
</script>
</body>
</html>
```

Output:

Tip Calculator

Tip Amount: 8%

Split Between: 6 person(s)

Calculate Tip

Tip amount per person: $0.03