

LAB ASSIGNMENT – 5

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T1)

```
<!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;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }

  .container {
    text-align: center;
  }

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

  .spinning {
    animation: spin 1s infinite linear;
  }

  @keyframes spin {
    100% {
      transform: rotate(360deg);
    }
  }
</style>
</head>
<body>

<div class="container">
  <h2 id="word">Hello</h2>
  <input type="text" id="textInput" placeholder="Enter a word or phrase">
  <button onclick="changeWord()">Submit</button>
```

```

</div>

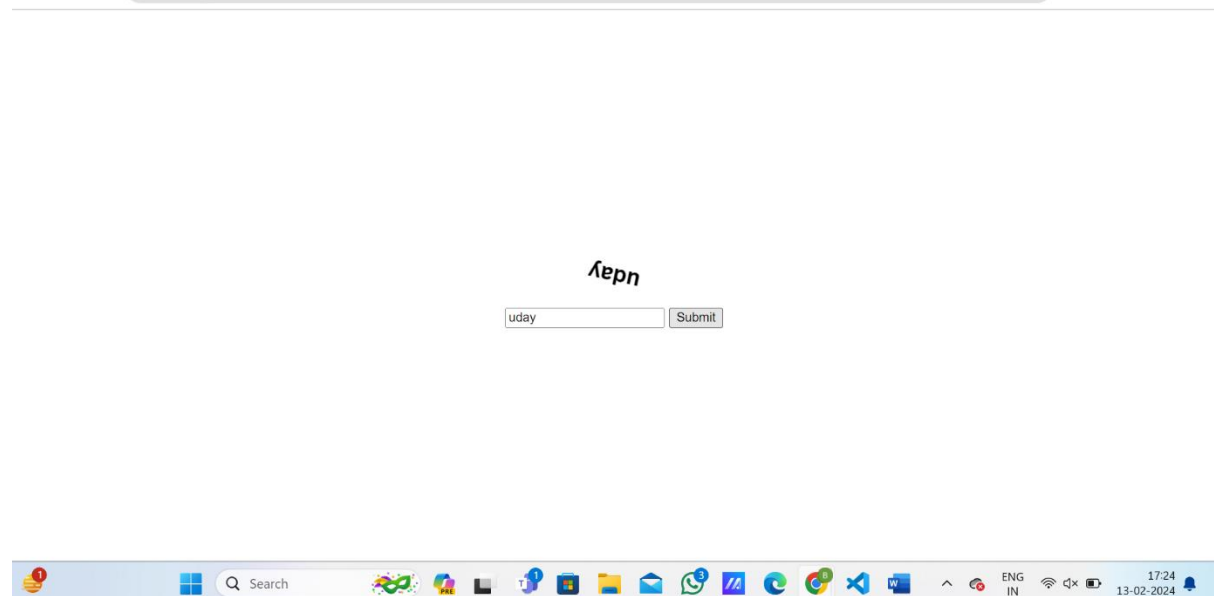
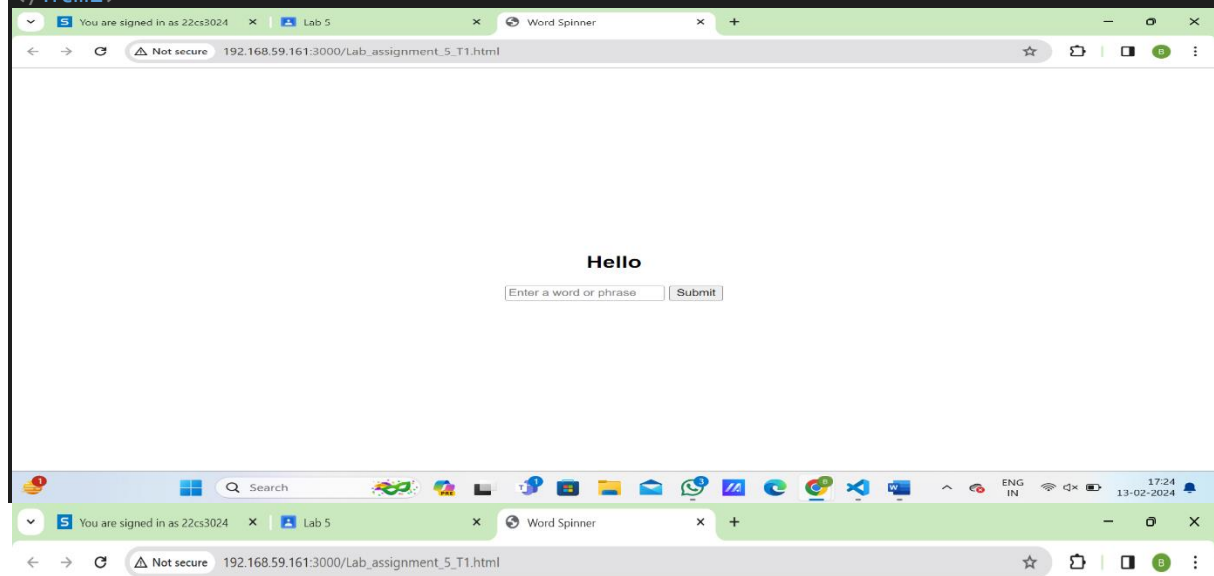
<script>
  function changeWord() {
    var input = document.getElementById('textInput').value;
    var word = document.getElementById('word');

    word.textContent = input;
    word.classList.add('spinning');

    setTimeout(function() {
      word.classList.remove('spinning');
    }, 1000);
  }
</script>

</body>
</html>

```



T2)

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

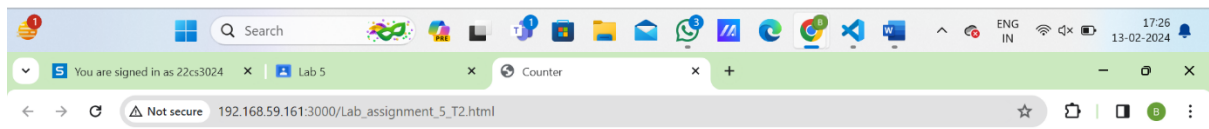
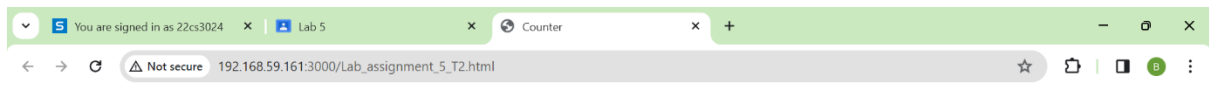
  #count {
    font-size: 16px; /* initial font size */
  }
</style>
</head>
<body>

<button onclick="incrementCount()">Increment</button>
<p id="count">0</p>

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

    countParagraph.textContent = newCount;
    countParagraph.style.fontSize = (16 + newCount) + 'px'; // Increase font
size
  }
</script>

</body>
</html>
```



T3)

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Counter with List</title>
<style>
  body {
    font-family: Arial, sans-serif;
    display: flex;
    justify-content: center;
```

```
    align-items: center;
    height: 100vh;
    margin: 0;
}

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

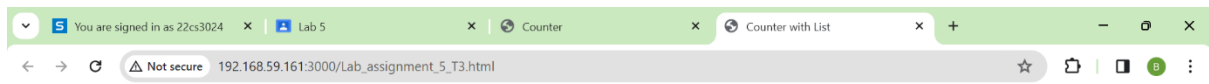
.countItem {
    font-size: 16px; /* initial font size */
}
</style>
</head>
<body>

<button onclick="incrementCount()">Increment</button>
<ul id="countList"></ul>

<script>
    var count = 0;

    function incrementCount() {
        count++;
        var countList = document.getElementById('countList');
        var newItem = document.createElement('li');
        newItem.textContent = count;
        newItem.classList.add('countItem');
        newItem.style.fontSize = (16 + count) + 'px'; // Increase font size
        countList.appendChild(newItem);
    }
</script>

</body>
</html>
```



T4)

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Task 4: Dynamic Table</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
  }
  table {
    border-collapse: collapse;
    margin-bottom: 20px;
  }
  th, td {
    border: 1px solid #ddd;
    padding: 8px;
    text-align: center;
  }
</style>
</head>
<body>
```

```
<table id="sum-table">
  <tr>
    <th>Row</th>
    <th>Sum</th>
  </tr>
</table>
<button id="add-row-btn">Add Row</button>

<script>
  const sumTable = document.getElementById('sum-table');
  const addRowBtn = document.getElementById('add-row-btn');
  let rowCount = 1;

  addRowBtn.addEventListener('click', () => {
    const newRow = sumTable.insertRow();
    const cell1 = newRow.insertCell(0);
    const cell2 = newRow.insertCell(1);

    cell1.textContent = rowCount;
    cell2.textContent = getFibonacci(rowCount);

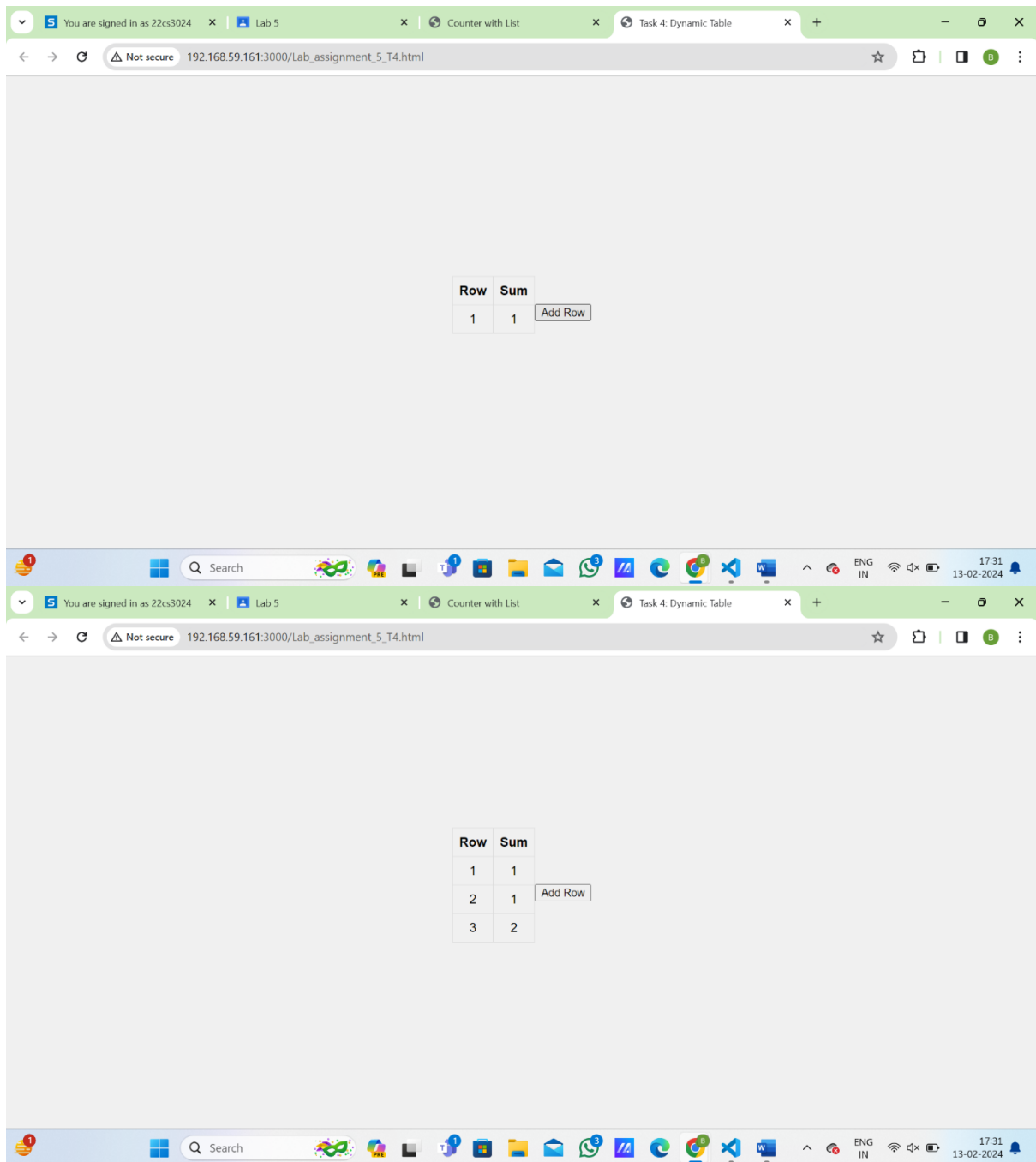
    rowCount++;
  });

  function getFibonacci(n) {
    if (n === 1 || n === 2) {
      return 1;
    }

    let a = 1;
    let b = 1;
    let sum = 0;

    for (let i = 3; i <= n; i++) {
      sum = a + b;
      a = b;
      b = sum;
    }

    return sum;
  }
</script>
</body>
</html>
```



T5)

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



```

input[type="text"] {
  padding: 5px;
  margin: 5px;
  width: 100px;
}

button {
  padding: 10px 20px;
  margin: 5px;
  font-size: 16px;
}

#result {
  margin-top: 20px;
  font-size: 20px;
}
</style>
</head>
<body>

<input type="text" id="input1" placeholder="Enter number">
<input type="text" id="input2" placeholder="Enter number">

<button onclick="calculate('+')">+</button>
<button onclick="calculate('-')">-</button>
<button onclick="calculate('*')">*</button>
<button onclick="calculate('/')">/</button>

<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 resultElement = document.getElementById('result');
    var result;

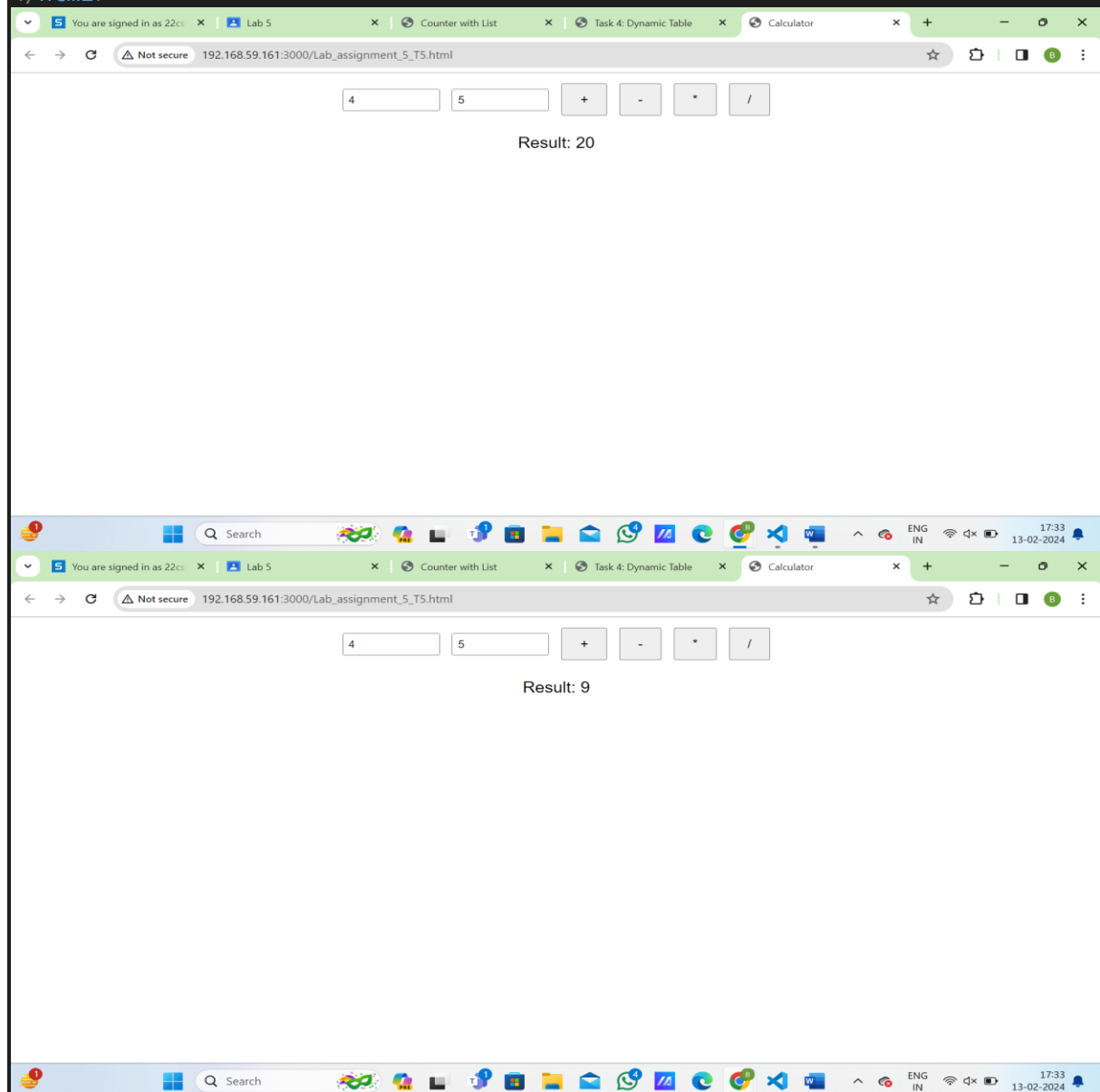
    switch (operator) {
      case '+':
        result = input1 + input2;
        break;
      case '-':
        result = input1 - input2;
        break;
      case '*':
        result = input1 * input2;
        break;

```

```
    case '/':
        if (input2 !== 0) {
            result = input1 / input2;
        } else {
            result = "Cannot divide by zero";
        }
        break;
    default:
        result = "Invalid operator";
    }

    resultElement.textContent = "Result: " + result;
}
</script>

</body>
</html>
```



T6)

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Toggle Content</title>
<style>
  #hiddenContent {
    display: none;
  }
</style>
</head>
<body>

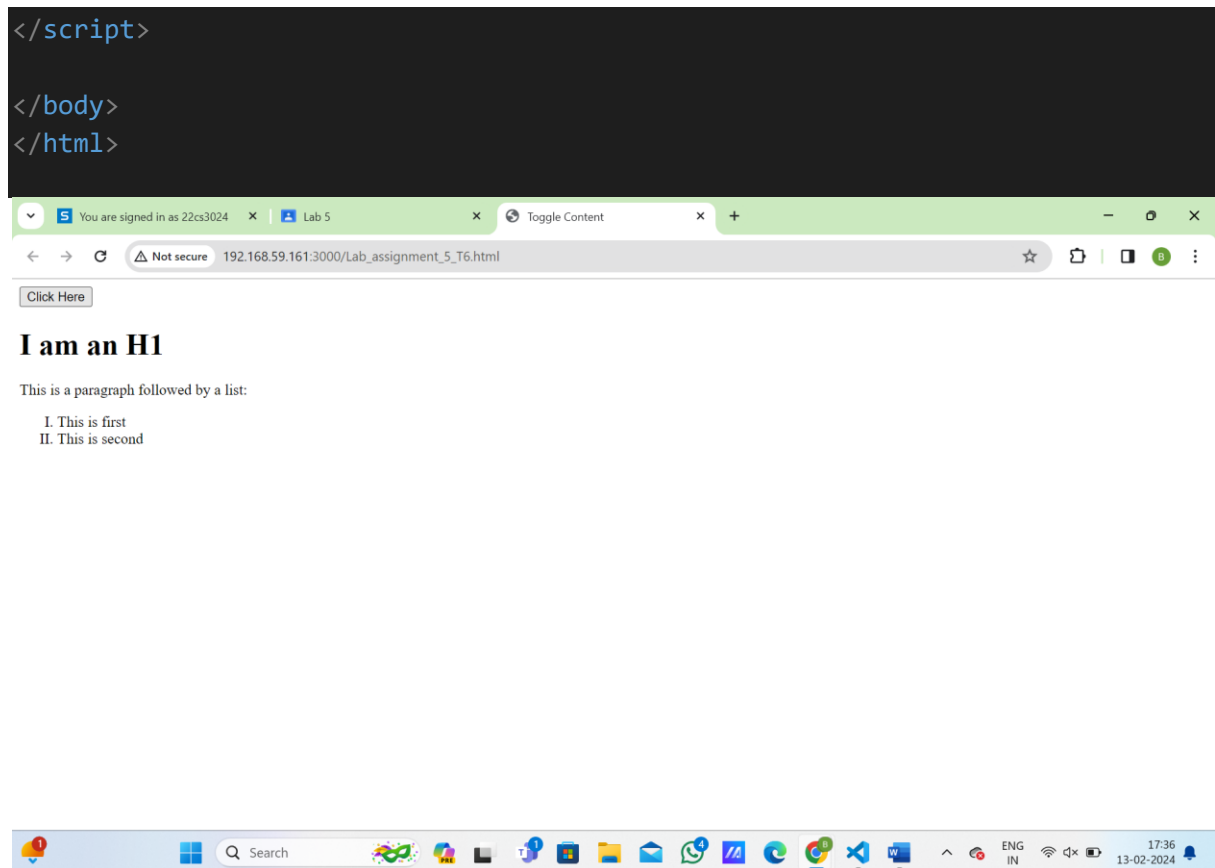
<button id="showContentButton">Click Here</button>

<div id="hiddenContent">
  <!DOCTYPE html>
  <html lang="en">
  <head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Page</title>
  </head>
  <body>

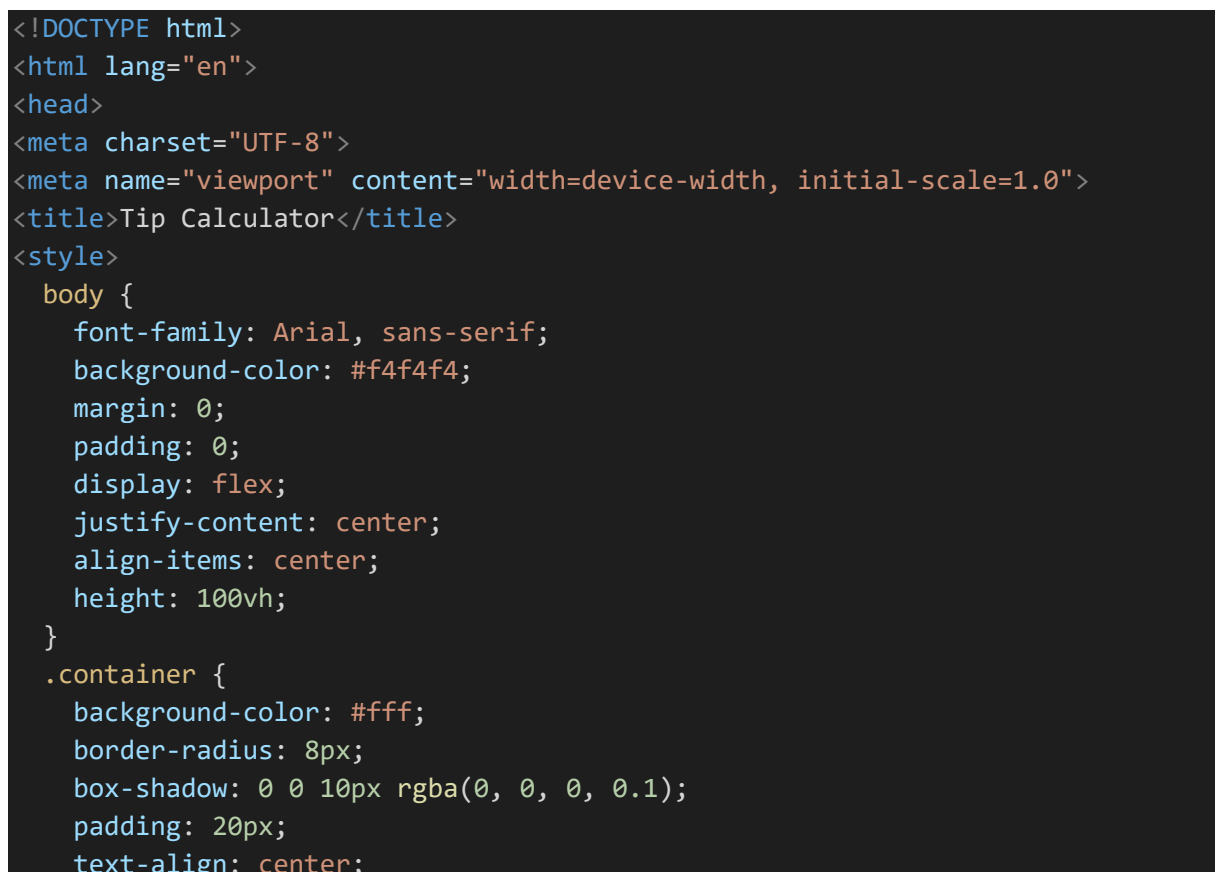
    <h1>I am an H1</h1>
    <p>This is a paragraph followed by a list:</p>
    <ol type="I">
      <li>This is first</li>
      <li>This is second</li>
    </ol>

  </body>
</html>
</div>

<script>
  document.getElementById("showContentButton").addEventListener("click",
function() {
  var content = document.getElementById("hiddenContent");
  if (content.style.display === "none") {
    content.style.display = "block";
  } else {
    content.style.display = "none";
  }
});
```



T7)



```

}
h1 {
  margin-bottom: 20px;
  color: #333;
}
input[type="number"] {
  width: 100px;
  padding: 10px;
  margin: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
}
button {
  padding: 10px 20px;
  background-color: #4CAF50;
  color: white;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  margin: 10px;
}
button:hover {
  background-color: #45a049;
}
#tipAmount {
  margin-top: 20px;
  font-size: 24px;
  font-weight: bold;
  color: #4CAF50;
}
</style>
</head>
<body>
<div class="container">
  <h1>Tip Calculator</h1>
  <input type="number" id="billAmount" placeholder="Bill Amount" min="0"
step="0.01"><br>
  <div id="tipPercentage">Tip Percentage: 15%</div>
  <button onclick="increaseTipPercentage()">Increase Tip %</button>
  <button onclick="decreaseTipPercentage()">Decrease Tip %</button><br>
  <div id="numOfPeople">Number of People: 1</div>
  <button onclick="increaseNumOfPeople()">Increase People</button>
  <button onclick="decreaseNumOfPeople()">Decrease People</button><br>
  <button onclick="calculateTip()">Calculate Tip</button>
  <div id="tipAmount"></div>
</div>
<script>
  let tipPercentage = 15;

```

```

let numOfPeople = 1;

function increaseTipPercentage() {
  tipPercentage += 1;
  document.getElementById('tipPercentage').innerText = `Tip Percentage:
${tipPercentage}%`;
}

function decreaseTipPercentage() {
  if (tipPercentage > 0) {
    tipPercentage -= 1;
    document.getElementById('tipPercentage').innerText = `Tip Percentage:
${tipPercentage}%`;
  }
}

function increaseNumOfPeople() {
  numOfPeople += 1;
  document.getElementById('numOfPeople').innerText = `Number of People:
${numOfPeople}`;
}

function decreaseNumOfPeople() {
  if (numOfPeople > 1) {
    numOfPeople -= 1;
    document.getElementById('numOfPeople').innerText = `Number of People:
${numOfPeople}`;
  }
}

function calculateTip() {
  const billAmount =
parseFloat(document.getElementById('billAmount').value);

  if (isNaN(billAmount) || billAmount <= 0) {
    alert('Please enter a valid bill amount.');
```

return;

}

const tipAmount = (billAmount * tipPercentage) / 100 / numOfPeople;

document.getElementById('tipAmount').innerText = `Tip Amount per person:
\${tipAmount.toFixed(2)}`;

}

</script>

</body>

</html>

You are signed in as 22cs3024

Lab 5

Toggle Content

Tip Calculator

Not secure192.168.59.161:3000/Lab_assignment_5_T7.html

Tip Calculator

Tip Percentage: 6%

Increase Tip %

Decrease Tip %

Number of People: 3

Increase People

Decrease People

Calculate Tip

Tip Amount per person: \$1.00

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