**Experiment-4**

Live Character Counter for Textarea

**Objective**

Create a simple feature that displays a live character count as the user types in a textarea. This helps you practice real-time event handling and dynamic content updates to improve user interaction.

**Task Description**

Build a web page that includes a textarea where the user can type text. Below or beside the textarea, display a character counter that updates immediately as the user types or deletes content. The counter should show the current number of characters entered, providing clear and instant feedback.

**Code**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Live Character Counter</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <h3>Live Character Counter</h3>

    <textarea id="text-input" rows="5" cols="40" placeholder="Type here..."></textarea>

    <p>Characters: <span id="char-count">0</span></p>

    <script src="script.js" defer></script>

</body>

</html>

textarea {

    font-size: 16px;

    padding: 10px;

    width: 100%;

    box-sizing: border-box;

}

p {

    font-family: Arial, sans-serif;

    margin-top: 10px;

}

const textInput = document.getElementById('text-input');

const charCount = document.getElementById('char-count');

textInput.addEventListener('input', () => {

    charCount.textContent = textInput.value.length;

});

**Output**

