**EXPERIMENT 4**

**Title**

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 for Textarea</title>

    <style>

      body {

        font-family: Arial, sans-serif;

        margin: 50px;

        background-color: #f9f9f9;

      }

      h2 {

        color: #333;

      }

      textarea {

        width: 100%;

        height: 120px;

        padding: 10px;

        font-size: 16px;

        border: 2px solid #ccc;

        border-radius: 8px;

        resize: none;

        outline: none;

        transition: border-color 0.3s;

      }

      textarea:focus {

        border-color: #4caf50;

      }

      .counter {

        margin-top: 8px;

        font-size: 14px;

        color: #555;

      }

      .counter span {

        font-weight: bold;

        color: #222;

      }

    </style>

  </head>

  <body>

    <h2>Live Character Counter</h2>

    <textarea id="textInput" placeholder="Start typing..."></textarea>

    <div class="counter">Characters typed: <span id="charCount">0</span></div>

    <script>

      const textArea = document.getElementById("textInput");

      const charCount = document.getElementById("charCount");

      textArea.addEventListener("input", () => {

        charCount.textContent = textArea.value.length;

      });

    </script>

  </body>

</html>

**Output**

