EXP-4

Live Character Counter for Textarea:

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Live Character Counter</title>

    <!-- Tailwind CSS for styling -->

    <script src="https://cdn.tailwindcss.com"></script>

    <!-- Google Fonts for a clean, modern look -->

    <link rel="preconnect" href="https://fonts.googleapis.com">

    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

    <link
href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600&display=swap"
rel="stylesheet">

    <style>

        /* Use the Inter font family */

        body {

            font-family: 'Inter', sans-serif;

        }

    </style>

</head>

<body class="bg-gray-100 flex items-center justify-center min-h-screen">

    <!-- Main container card -->

    <div class="w-full max-w-lg p-8 bg-white rounded-2xl shadow-lg">

        <!-- Header Section -->

        <div class="text-center mb-6">

            <h1 class="text-3xl font-bold text-gray-800">Live Character Counter</h1>

            <p class="text-gray-500 mt-2">Type in the box below to see the character count
update in real-time.</p>
```

</div>

        <!-- Textarea for user input -->
        <div class="mb-4">
          <textarea
            id="text-input"
            class="w-full h-40 p-4 border-2 border-gray-200 rounded-lg resize-none focus:outline-none focus:ring-2 focus:ring-indigo-400 transition duration-200"
            placeholder="Start typing here..."></textarea>
        </div>

        <!-- Character counter display -->
        <div class="text-right text-gray-600 font-medium">
          Characters: 0
        </div>
      </div>

      <script>
        // Get references to the HTML elements
        const textInput = document.getElementById('text-input');
        const charCounter = document.getElementById('char-counter');

        // Add an 'input' event listener to the textarea
        // This event fires every time the user types, pastes, or deletes text
        textInput.addEventListener('input', () => {
          // Get the current number of characters in the textarea
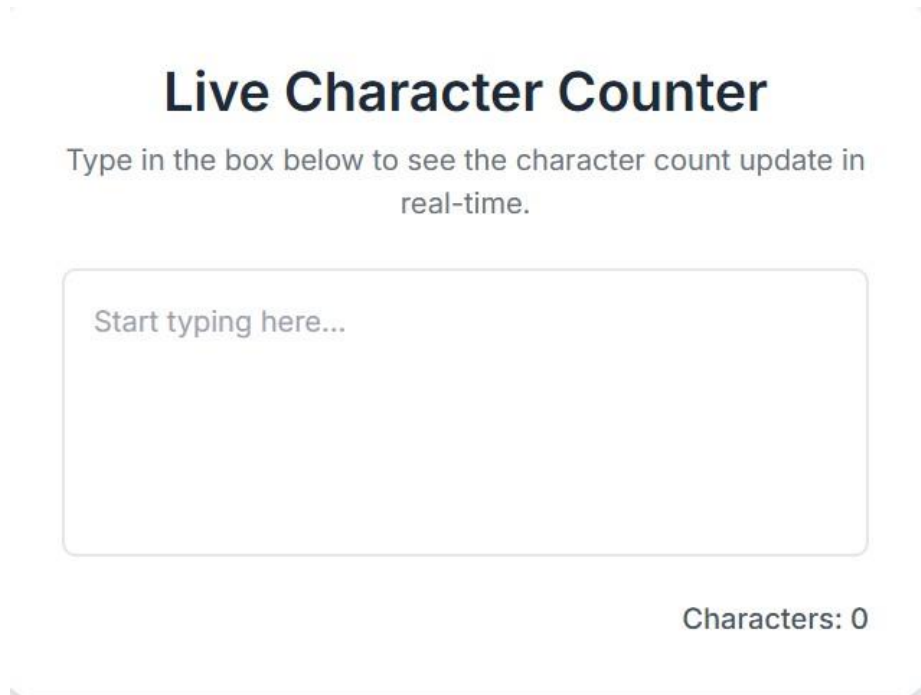   const currentLength = textInput.value.length;

          // Update the text content of the counter element
          charCounter.textContent = `Characters: ${currentLength}`;
        });

```
        </script>

    </body>

    </html>
```
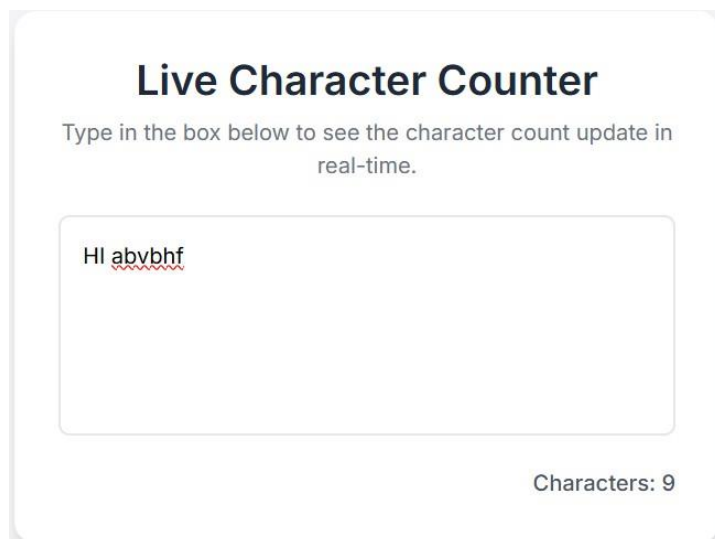
OUTPUTS:

Figure 1 Without Character

Figure 2 Character count Successful