

## EXP-4

**Create a student registration form with HTML5 validation for name, email, and age inputs:**

```
<!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">

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

</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', () => {

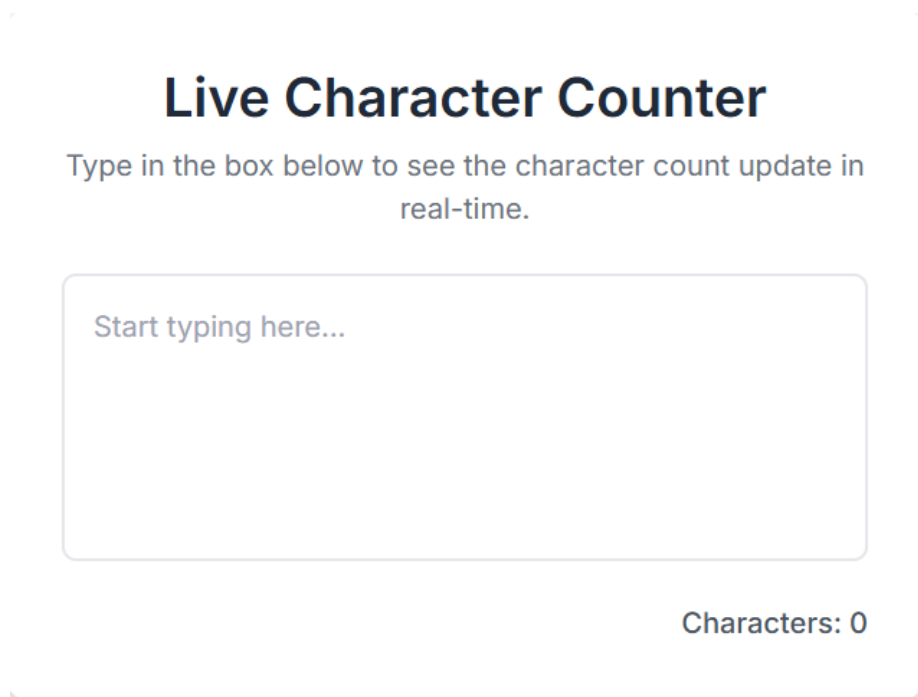
// Get the current number of characters in the textarea

const currentLength = textInput.value.length;

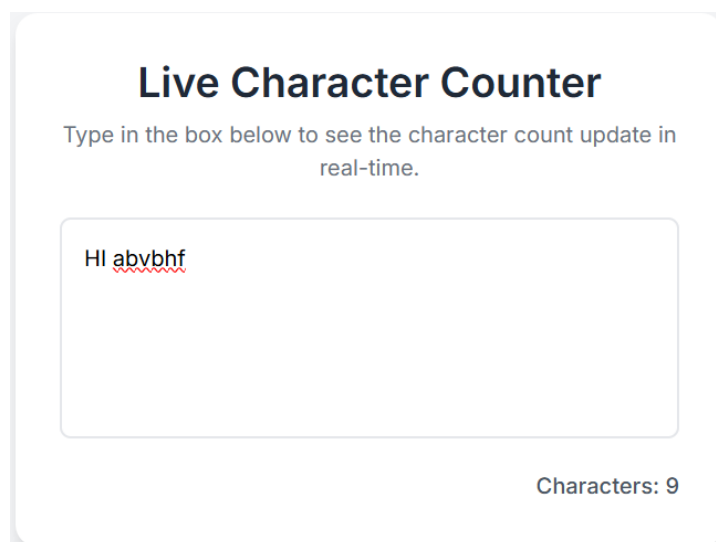
// Update the text content of the counter element

```
charCounter.textContent = `Characters: ${currentLength}`;  
});  
</script>  
</body>  
</html>
```

## OUTPUTS:



*Figure 1 Without Character*



*Figure 2 Character count Successful*