

Subject - Full Stack

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## **Experiment 2.1**

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.

### **Code Implementation**

```
<!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>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      flex-direction: column;
      align-items: center;
      padding: 50px;
    }

    h2 {
      margin-bottom: 20px;
    }

    textarea {
      width: 300px;
      height: 150px;
      font-size: 16px;
      padding: 10px;
      resize: none;
      border: 1px solid #ccc;
      border-radius: 5px;
      outline: none;
```

```

    }

    .counter {
      margin-top: 10px;
      font-size: 14px;
      color: #333;
    }

    .highlight {
      color: red;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h2>Live Character Counter</h2>
  <textarea id="textInput" placeholder="Type something..."></textarea>
  <div class="counter">Characters: <span id="charCount">0</span></div>

  <script>
    const textarea = document.getElementById('textInput');
    const charCount = document.getElementById('charCount');

    textarea.addEventListener('input', () => {
      const count = textarea.value.length;
      charCount.textContent = count;

      // Optional: Highlight if characters exceed 100
      if (count > 100) {
        charCount.classList.add('highlight');
      } else {
        charCount.classList.remove('highlight');
      }
    });
  </script>
</body>
</html>

```

## **Output**



CODE

I/O

RUN 



## Live Character Counter

Hello! I am Akash...|

Characters: 20