**EXPERIMENT – 1.4**

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Subject & Code : FULL STACK – 23CSP-339

Section & Group : 23BCC-1 A

**AIM:** Live Character Counter for Textarea

**Theory:**

A **Live Character Counter** uses **HTML**, **CSS**, and **JavaScript** to track and display the number of characters a user types into a <textarea> in real time. HTML provides the structure (the textarea and a counter element). CSS styles the UI and can visually indicate limits (e.g., change color when the limit is reached). JavaScript listens for input events (input or keyup), reads the textarea.value.length, updates the counter display, and enforces or reacts to a maxlength if present. This improves user feedback and prevents overlength submissions in forms (social posts, comments, form fields).

**Conclusion:**

The Live Character Counter is a simple but effective UX feature that gives immediate, clear feedback to users about text length. It reduces errors, improves form usability, and can be extended with features like remaining-character warnings, progress bars, or server-side validation to ensure consistency. Overall, it’s lightweight to implement and significantly enhances the user experience for any text-entry interface.

## SNAPSHOTS:

