

Experiment 4: Live Character Counter for Textarea

Aim

To create a live character counter for a textarea using HTML, CSS, and JavaScript that updates in real-time as the user types.

Tools Used

- HTML
- CSS
- JavaScript
- Web Browser

Procedure

- Create an HTML file and add a textarea for the user to type text.
- Add a paragraph element below the textarea to display the character count.
- Use CSS to style the textarea and counter for better appearance.
- Write JavaScript code to capture the 'input' event on the textarea.
- Update the character count dynamically as the user types or deletes characters.
- Test the functionality in a web browser.

Code

```
<!DOCTYPE html>
<html>
<head>
<title>Live Character Counter</title>
<style>
textarea {
    width: 100%;
    height: 100px;
    font-size: 16px;
}
</style>
</head>
<body>
<h2>Live Character Counter</h2>
<textarea id="textArea" placeholder="Start typing..."></textarea>
<p><b>Characters:</b> <span id="charCount">0</span></p>

<script>
```

```
const textArea = document.getElementById('textArea');
const charCount = document.getElementById('charCount');

textArea.addEventListener('input', () => {
  charCount.textContent = textArea.value.length;
});
</script>
</body>
</html>
```

Result

The web page successfully displays the number of characters entered in the textarea in real-time.

Expected Outcome

Live Character Counter

Start typing...

Characters: 0

Live Character Counter

Hii Everyone!

Characters: 13