

Longest Substring Without Repeating Characters - Code Solution

```
/**
 * @param {string} s
 * @return {number}
 */
var lengthOfLongestSubstring = function(s) {
    let i = 0, j = 0;
    let map = {};
    let mx = 0;

    for (j = 0; j < s.length; j++) {
        if (map[s[j]] !== undefined && map[s[j]] >= i) {
            i = map[s[j]] + 1;
        }
        map[s[j]] = j;
        let currWS = j - i + 1;
        mx = Math.max(mx, currWS);
    }
    return mx;
};
```