```
#15 Days of Coding Challenge
#Day 6
```

Space Complexity: O(k)

Longest substring without repeating characters #Leetcode 3

Solution:

```
class Solution {
public:
   int lengthOfLongestSubstring(string s) {
       int n = s.length();
       int maxLength = 0;
       unordered set<char> charSet;
       int left = 0;
       for (int right = 0; right < n; right++) {</pre>
           if (charSet.count(s[right]) == 0) {
               charSet.insert(s[right]);
               maxLength = max(maxLength, right - left + 1);
           } else {
               while (charSet.count(s[right])) {
                    charSet.erase(s[left]);
                   left++;
               }
               charSet.insert(s[right]);
           }
       }
       return maxLength;
   }
} ;
Time Complexity: O(n)
```