#15 days Dsa Coding challenge

Day 6

#Leetcode 3

Longest Substring without repeating characters

Solution:

class Solution {

public:

int lengthOfLongestSubstring(string s) {

int n=s.size();

int maxlen=0,i=0,j=0;

unordered\_set<char>seen;

while(j<n){

if(!seen.count(s[j])){

seen.insert(s[j]);

maxlen=max(maxlen,j-i+1);

j++;

}

else{

seen.erase(s[i]);

i++;

}

}

return maxlen;

}

};

Time Complexity:O(n)

Space Complexity:O(1)