#15 Days of Coding Challenge
#Day 13

Remove all adjacent duplicates in string ii
#Leetcode 1209

Solution:


```cpp
class Solution {
public:
    string removeDuplicates(string s, int k) {
        stack<pair<char,int>>st;
        int i=0;
        while (i<s.size()){
            if (!st.empty() && st.top().first==s[i]){
                st.push({s[i],st.top().second+1});
                if (st.top().second==k){
                    char x=st.top().first;
                    while (!st.empty() && st.top().first==x){st.pop();}
                }
            }
            else {st.push({s[i],1});}
            i++;
        }
        s.clear();
        while (!st.empty()){
            s+=st.top().first;
            st.pop();
        }
        reverse(s.begin(),s.end());
        return s;
    }
};
```


Time Complexity: O(n)
Space Complexity: O(n)