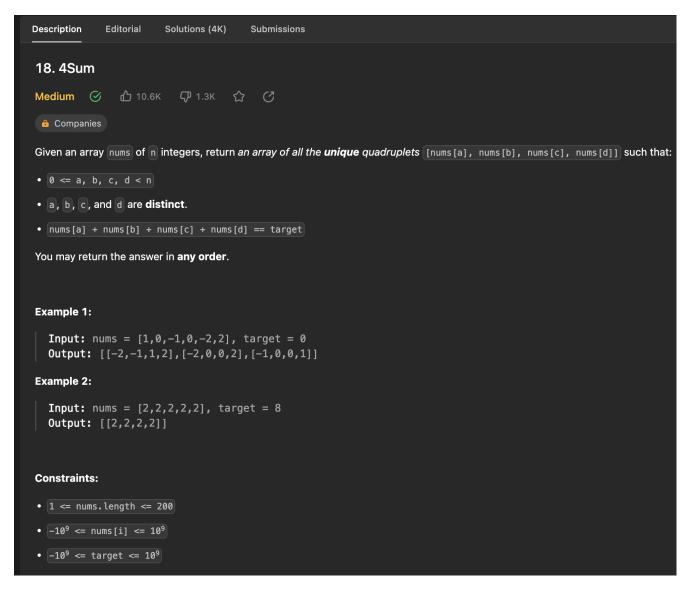
MCS – 253P ADVANCED PROGRAMMING AND PROBLEM SOLVING

LAB 2 PROGRAM (4SUM)

Aswin Sampath saswin@uci.edu

53844684

Question:



Code:

```
string reorganizeString(string s) {
priority_queue<pair<int,char>>pq;
unordered_map<char,int>um;
for(char c:s){
    um[c]++;
for(auto p:um){
    pq.push(
        make_pair(
            p.second,
            p.first
while(!pq.empty()){
    pair<int,char> topEle = pq.top();
    pq.pop();
    ans+=topEle.second;
    if(!pq.empty()){
        pair<int,char> secondEle = pq.top();
        pq.pop();
        ans+=secondEle.second;
        if(secondEle.first>1){
            pq.push(
                make_pair(
                    --secondEle.first,
                    secondEle.second
    if(topEle.first>1){
        pq.push(
            make_pair(
                 --topEle.first,
                topEle.second
for(int i=1;i<n;i++){</pre>
    if(ans[i]==ans[i-1])return "";
```

Output:

