



# **WORKSHEET 2**

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**DOMAIN CAMP:** 03-01-2023 to 14-01-2023 **Section/Group:** DWWC-43

Subject Name: IT Skills (DSA)

## **Question 1. ROLLAR COSTER**

```
Language: C++14

#include <iostream>
using namespace std;

int main() {
    int t,x,h;
    cin>>t;
    while(t--){
        cout<<"yes"<<endl;
    }else{
        cout<<"no"<<endl;
    }
    return 0;

0:0</pre>
```









### **Question 2. CHEF OF THE YEAR**

```
Language: C++14
 1 #include <bits/stdc++.h>
 2 using namespace std;
 3 int main(){
        int n,m;
        string a1,a2;
         cin>>n>>m;
        map <string,string> in;
        for(int i=0;i<n;i++){
 8 -
 9
             string s;
10
             cin>>s;
11
             cin>>in[s]; //maps the country wrt the name of the chef
12
        map <string,int> country;
13
14
        map <string,int> chef;
15 -
         for(int i=0;i<m;i++){
16
             string ta;
17
             cin>>ta;
             country[in[ta]]++;
18
19
             chef[ta]++;
20
21
         int score=-2;
22 ~
         for(auto x:country){
             if(x.second>score){
                 a1=x.first;
24
25
                 score=x.second;
26
27
28
         score=-2;
29 -
         for(auto x:chef){
             if(x.second>score){
                 a2=x.first;
31
32
                 score=x.second;
33
34
         cout << a1 << "\n" << a2 << "\n";
35
36
```

```
Status: ✓ Correct Answer

Submission ID: 84843573

Time: Memory:
0.11s 6.3M
```







## **Question 3. DETERMINE THE WEATHER**

```
Language: C++14
 1
     #include <iostream>
    using namespace std;
 4 int main() {
 6
         cin>>T;
         while(T--){
 8
              int a,b,x,y;
 9
              cin>>a>>b>>x>>y;
              int c=max(x,y);
10
              int d=max(a,b);
11
              if(c==d){
  cout<<"TIE"<<endl;</pre>
12 -
13
14 -
              }else if(c<d){</pre>
                   cout<<"Q"<<endl;</pre>
15
              }else{
16 -
                   cout<<"P"<<endl;</pre>
17
18
19
20
21
22
         // your code goes here
         return 0;
24
```



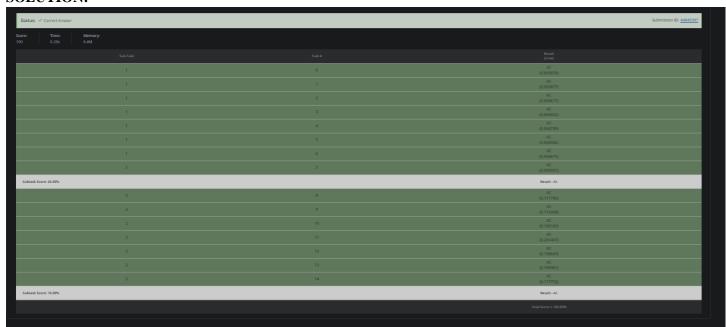






# **Question 4. DISTINCT PAIRS**

```
Language: C++14
      #include<bits/stdc++.h>
      using namespace std;
      #define yy second
      int main() {
            int n, m;
cin>>n>>m;
            vector<pair<int,int>> t(n);
10
            for(int i=0;i<n;++i) {
    cin>>t[i].xx;
                  t[i].yy=i;
            vector<pair<int,int>> k(m);
            for(int j=0;j<m;++j) {
    cin>>k[j].xx;
                  k[j].yy=j;
            sort(t.begin(), t.end());
sort(k.begin(), k.end());
for(int j=0;j<m;++j) {
    cout<<t[0].yy<<" "<<k[j].yy<<"\n";</pre>
            for(int i=1;i<n;++i) {
   cout<<t[i].yy<<" "<<k[m-1].yy<<"\n";</pre>
29
30
            return 0;
```







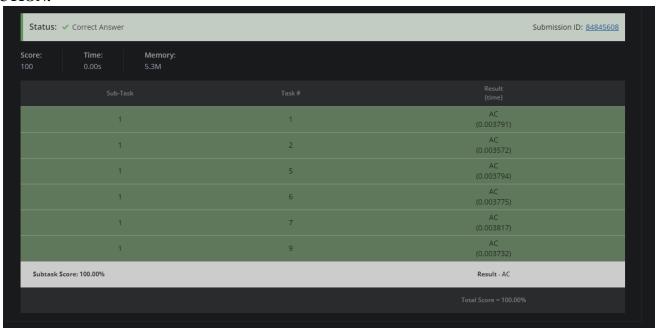


# **Question 5. CHEF AND BRAIN SPEED**

```
Language: C++14

#include <iostream>
using namespace std;

int main() {
    // your code goes here
    int x,y;
    cin>>x>>y;
    cout<<(x<y?"YES":"NO")<<endl;
    return 0;
}</pre>
```









# **Question 6. JUMP GAME**

