



WORKSHEET 2

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DOMAIN CAMP: 16-01-2023 to 28-01-2023 **Section/Group:** DWWC-77

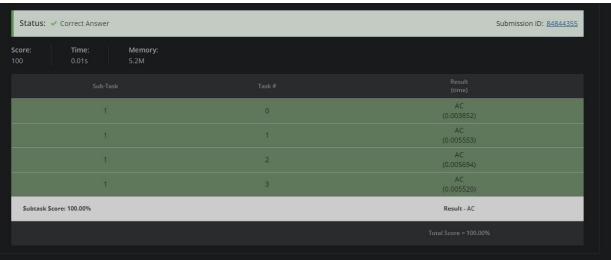
Subject Name: IT Skills (DSA)

Question 1. ROLLAR COSTER

```
Language: C++14

#include <iostream>
using namespace std;

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









Question 2.

CHEF OF THE YEAR

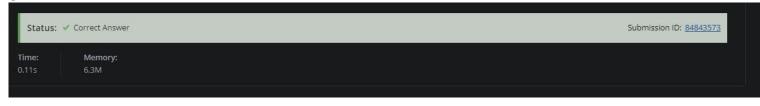
```
Language: C++14
 1 #include <bits/stdc++.h>
 2 using namespace std;
 3 int main(){
         int n,m;
 4
        string a1,a2;
        cin>>n>>m;
 6
        map <string, string> in;
        for(int i=0;i<n;i++){
 8
             string s;
10
             cin>>s;
             cin>>in[s]; //maps the country wrt the name of the chef
11
         }
12
13
        map <string,int> country;
         map <string,int> chef;
14
         for(int i=0;i<m;i++){
15 -
16
             string ta;
             cin>>ta;
17
             country[in[ta]]++;
18
19
             chef[ta]++;
20
         int score=-2;
21
22 -
         for(auto x:country){
             if(x.second>score){
23
24
                 al=x.first;
                 score=x.second;
26
27
         }
28
         score=-2;
29 -
         for(auto x:chef){
30
             if(x.second>score){
                 a2=x.first;
31
32
                 score=x.second;
33
34
35
         cout << a1 << "\n" << a2 << "\n";
36
```







Question 3.



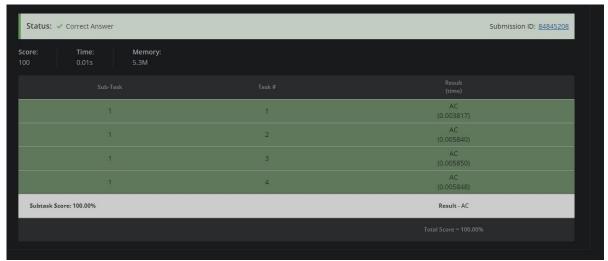
DETERMINE THE WEATHER

```
Language: C++14
    #include <iostream>
 1
 2
     using namespace std;
 4 int main() {
         cin>>T;
         while(T--){
             int a,b,x,y;
 8
 9
             cin>>a>>b>>x>>y;
             int c=max(x,y);
 10
11
             int d=max(a,b);
             if(c==d){
12 -
                 cout<<"TIE"<<endl;
13
             }else if(c<d){
14 -
                 cout<<<"Q"<<endl;</pre>
15
16 -
             }else{
                  cout<<"P"<<endl;
17
18
19
20
21
         // your code goes here
 22
         return 0;
 24
                                                                                                  0:0
```





Question 4.



DISTINCT PAIRS

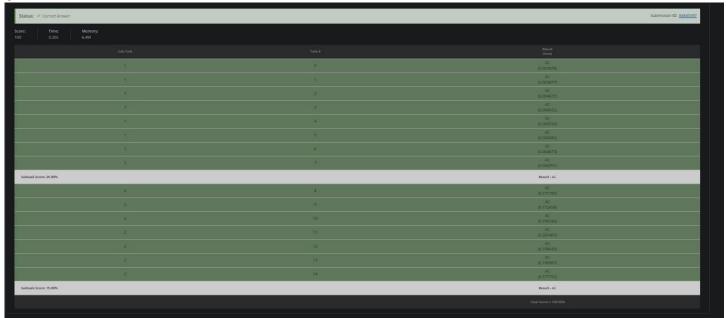
```
Language: C++14
     #include<bits/stdc++.h>
 2 using namespace std;
    #define xx first
 5 #define yy second
  7 - int main() {
          vector<pair<int,int>> t(n);
          for(int i=0;i<n;++i) {
               cin>>t[i].xx;
               t[i].yy=i;
          vector<pair<int,int>> k(m);
          for(int j=0;j<m;++j) {
    cin>>k[j].xx;
               k[j].yy=j;
20
          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";
24
 26
          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

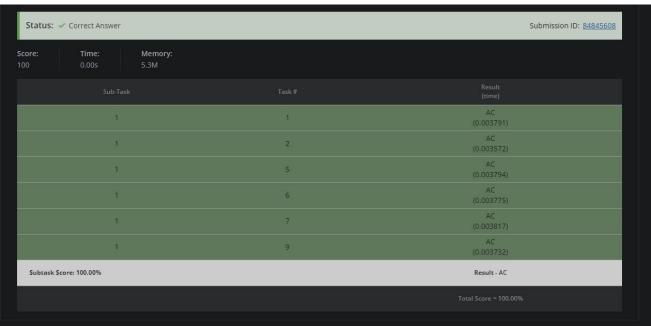
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5    // your code goes here
6    int x,y;
7    cin>>x>>y;
8    cout<<(x<y?"YES":"NO")<<endl;
9    return 0;
10 }</pre>
```







Question 6.









Question 7.

JUMP GAME

