# Worksheet 2

# Domain Winter Winning Camp

**Student Name:** Abhinav Nath   **UID:** 20BCS5562

**Section:** DWWC - 43   **Date of Performance:**  4th Jan, 2023

**Subject Name:** IT Skills

**Question 1:**

[Chef of the year](#)

**Code:**

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    // your code goes here
    int n,m;
    cin>>n>>m;
    map<string,string>m1,m2;
    map<string,int>m3,m4;
    for(int i=0;i<n;i++){
        string a,b;
        cin>>a>>b;
        m1[a]=b;
       // m3[b]++;
    }
    for(int i=0;i<m;i++){
        string s;
        cin>>s;
        m3[m1[s]]++;
        m4[s]++;
    }
    int mx=0;
    string s1,s2;
```

```
        for(auto &i:m4){
            if(i.second>mx){
                mx=i.second;
                s2=i.first;
            }
        }
        mx=0;
        for(auto &i:m3){
            if(i.second>mx){
                mx=i.second;
                s1=i.first;
            }
        }
        cout<<s1<<'\n'<<s2;
        return 0;
}
```

**Output:**

```
Status:  ✓ Correct Answer                    Submission ID: 84846547

Time:
0.10s
```

**Question 2:**
Distinct pairs
**Code:**
```
#include<bits/stdc++.h>
using namespace std;

#define xx first
#define yy second

int main() {
```

```cpp
    int n, m;
    cin>>n>>m;
    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;
    }
    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";
    }

    for(int i=1;i<n;++i) {
        cout<<t[i].yy<<" "<<k[m-1].yy<<"\n";
    }
    return 0;
}
```

**Output:**

**Question 3:**
How many attempt problem
**Code:**

```cpp
#include <iostream>
using namespace std;

int main()
{
    int a,b;
    cin>>a>>b;
    cout<<a-b;
        // your code goes here
        return 0;
}
```

**Output:**

| Sub-Task | Task # | Result (time) |
|----------|--------|---------------|
| 1 | 1 | AC (0.003880) |
| 1 | 2 | AC (0.003796) |
| 1 | 3 | AC (0.003879) |
| 1 | 4 | AC (0.003891) |
| 1 | 5 | AC (0.003924) |
| 1 | 6 | AC (0.003800) |
| Subtask Score: 100.00% | | Result - AC |

**Question 4:**

Equal Integer

**Code:**

```
#include <iostream>
using namespace std;

int main() {
    int t;
    cin>>t;
    while(t--){
        long long int x,y;
        cin>>x>>y;
```

```cpp
        if(y>=x) cout<<(y-x)<<endl;
        else if((x-y)%2==0) cout<<(x-y)/2<<endl;
        else cout<< 2+(x-y)/2<<endl;
    }
        return 0;
}
```

**Output:**



Status: ✔ Correct Answer                    Submission ID: 84847139

Time:
0.02s

| Sub-Task | Task # | Result (time) |
|---|---|---|
| 1 | 0 | AC (0.003948) |
| 1 | 1 | AC (0.023397) |
| Subtask Score: 100.00% | | Result - AC |

Total Score = 100.00%

## Question 5:
Determine the winner
**Code:**
```cpp
#include <iostream>
using namespace std;

int main() {
        // your code goes here
        int t;
        cin>>t;
```

```cpp
while(t--)
{
    int a,b,c,d;
    cin>>a>>b>>c>>d;
    int x=max(a,b);
    int y=max(c,d);
    if(y>x)
    {
        cout<<"P"<<endl;
    }
    else if(x==y)
    {
        cout<<"TIE"<<endl;
    }
    else
    {
        cout<<"Q"<<endl;
    }
}
return 0;
}
```

**Output:**

## Question 6:
[Chef Brain speed](#)

**Code:**

```cpp
#include <iostream>
using namespace std;

int main() {
    // your code goes here
    int x,y;
    cin>>x>>y;
    if(x<y)
    cout<<"Yes";
    else
    cout<<"No";
```

```
        return 0;
}
```

**Output:**



**Question 7:**
[My very 1st contest](My very 1st contest)

**Code:**
```
#include <iostream>
using namespace std;
```

```
int main() {
    // your code goes here
    int n,a,b;
    cin>>n>>a>>b;
    cout<<n-a<<" "<<n-(a+b)<<endl;
    return 0;
}
```

**Output:**

Status: ✔ Correct Answer                          Submission ID: 84848186

Time:
0.00s

| Sub-Task | Task # | Result (time) |
|---|---|---|
| 1 | 1 | AC (0.003719) |
| 1 | 2 | AC (0.003877) |
| 1 | 3 | AC (0.003887) |
| 1 | 4 | AC (0.003872) |
| 1 | 5 | AC (0.003692) |
| 1 | 6 | AC (0.003667) |

Subtask Score: 100.00%                                    Result - AC

**Question 8:**
Roller Coaster

**Code:**
```cpp
#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;
}
```

**Output:**

## Question 9:
Total Price Money

**Code:**

```cpp
#include <iostream>
using namespace std;

int main() {
    int t;
    cin>>t;
    while(t--){
        int x, y;
        cin>>x>>y;
        int to= x * 10 + y*90;
        cout<<to<<endl;
```

```
        }
        return 0;
}
```

**Output:**



**Question 10:**
Chef and Chapters

**Code:**
```cpp
#include <iostream>
using namespace std;
#define dipu int t; cin>>t; while(t--)

int main() {
        // your code goes here
```

```
dipu
{
    int x,y,z;
    cin>>x>>y>>z;
    cout<<x*y*z<<endl;
}
return 0;
}
```

**Output:**

| Sub-Task | Task # | Result (time) |
|---|---|---|
| 1 | 1 | AC (0.004046) |
| 1 | 2 | AC (0.006167) |
| 1 | 3 | AC (0.006085) |
| Subtask Score: 100.00% | | Result - AC |

Total Score = 100.00%