Name – NABEEN VERMA

UID – 20BCS7422

Section – 20DWWC-43 Subject

– DSA

Domain Winning Camp Worksheet (Practice Questions)

Day 2

Problem 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]++;
}
```

```cpp
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:

Problem 2: How many Unattempt

Code:

```cpp
#include <iostream>
using namespace std;
int main() {
  int x,y;
  cin>>x>>y;
  cout<<x-y;
  return 0;
}
```

OUTPUT:

Problem 3: Total Prize Money

Code:

```cpp
#include <iostream>
using namespace
std; int main() { int t;
    cin>>t; for (int i = 0; i <
    t; i++){ int x, y;
        cin>>x>>y;
        cout<<10*x + 90*y<<endl;

    }
```

OUTPUT:

return 0;}

Problem

In a coding contest, there are prizes for the top rankers. The prize scheme is as follows:

- Top 10 participants receive rupees X each.
- Participants with rank 11 to 100 (both inclusive) receive rupees Y each.

Find the total prize money over all the contestants.

Input Format

- First line will contain T, number of test cases. Then the test cases follow.
- Each test case contains of a single line of input, two integers X and Y - the prize for top 10 rankers and the prize for ranks 11 to 100 respectively.

Output Format

For each test case, output the total prize money over all the contestants.

Constraints

- $1 \le T \le 1000$
- $1 \le Y \le X \le 1000$

Problem Solver Badge 79 / 250

Solve 171 more problems to get Silver Badge

Next Problem

Status: ✔ Correct Answer   Submission ID: 84237173

Time:
0.01s

Sub-Task	Task #	Result (time)
1	1	AC (0.004321)
1	2	AC (0.005911)
1	3	AC (0.006020)
Subtask Score: 100.00%		**Result - AC**

Total Score = 100.00%

Upload code as file ↥   ▸ Compile & Run   Submit Code

Problem 4: Chef and Choclates

Code:

```cpp
#include    <iostream>
using namespace std;
int main() {
int t,x,y,z,n;
cin>>t; while(t--
){
    cin>>x>>y>>z;
n=((5*x+10*y)/z);
```

OUTPUT:

cout<<n<<endl;   }

return 0;}

Problem 5: Atm

Code:

```cpp
#include    <bits/stdc++.h>    using
namespace    std;    int    main(){
ios_base::sync_with_stdio(false);
cin.tie(0);  cout.precision(2);  int  a;
float b; cin >> a >> b;
    if ((a%5==0) && (b-a-0.5>=0)) {
        cout << fixed << b-a-0.5 << endl;
```

CHANDIGARH
UNIVERSITY
Discover. Learn. Empower.
CU
CHANDIGARH
UNIVERSITY

NAAC
GRADE A+
Accredited University

```
    }

    else

    {


        cout << fixed << b << endl;

    }


        return 0;

}
```

OUTPUT:

Problem

Pooja would like to withdraw X $US from an ATM. The cash machine will only accept the transaction if X is a multiple of 5, and Pooja's account balance has enough cash to perform the withdrawal transaction (including bank charges). For each successful withdrawal the bank charges 0.50 $US.

Calculate Pooja's account balance after an attempted transaction.

Input Format

Each input contains 2 integers X and Y.
X is the amount of cash which Pooja wishes to withdraw.
Y is Pooja's initial account balance.

Output Format

Output the account balance after the attempted transaction, given as a number with two digits of precision. If there is not enough money in the account to complete the transaction, output the current bank balance.

Constraints

1. $0 < X \leq 2000$ – the amount of cash which Pooja wishes to withdraw.

Test against Custom Input

```
30 120.00
```

Problem Solver Badge   78 / 250   Next Problem
Solve 172 more problems to get Silver Badge

Status: ✓ Correct Answer   Submission ID: 84237401

Time:
0.00s

Congratulations on solving the problem. Visit our practice section to solve more interesting problems   View another problem →

Upload code as file ↥   ▸ Compile & Run   Submit Code