

02 : 51 : 30  
HRS MIN SEC

# Shopee Code League 2022 - Qualification Round

LIVE INVITE ONLY ACCESS

Mar 19, 2022, 03:00 PM WITA - Mar 19, 2022, 06:00 PM WITA

INSTRUCTIONS

PROBLEMS

SUBMISSIONS

LEADERBOARD

ANALYTICS

JUDGE

[← Problems](#) / Money Transfer

## Money Transfer

Max. score: 100

SeaMoney has a feature to transfer money between users. Let's imagine a simple scenario.

$N$  usernames—consisting of lowercase Latin characters—each starts with a balance  $b$ . Amongst them,  $T$  transactions happened, where user  $u_a$  transfers  $x$  amount of money to  $u_b$ . If  $x$  is larger than the  $u_a$ 's balance when the transaction happens, the transaction is automatically rejected.

Output the final balance of each user.

### Input

The first line contains two numbers  $N$  and  $T$  ( $1 \leq N, T \leq 1000$ ). Each of the next  $N$  following lines contain username  $u_i$  ( $1 \leq |u_i| \leq 10$ ) and integer  $b_i$  ( $1 \leq b_i \leq 10^9$ ), denoting the balance of user  $u_i$ . Following that are  $T$  lines, each containing two usernames  $u_a$  and  $u_b$  ( $u_a \neq u_b$ ) followed by an integer  $x$  ( $1 \leq x \leq 10^9$ ), denoting the amount of money transferred from  $u_a$  to  $u_b$ .

### Output

Output the balance of all users in alphabetical order.

#### SAMPLE INPUT



```
3 4
amir 10
brenda 10
charlie 10
amir brenda 5
brenda charlie 5
charlie amir 20
charlie amir 7
```

#### SAMPLE OUTPUT



```
amir 12
brenda 10
```

?

charlie 8

## Explanation

NA

**Time Limit:** 1.0 sec(s) for each input file.**Memory Limit:** 256 MB**Source Limit:** 1024 KB**Marking Scheme:** Score is assigned when all the testcases pass.**Allowed Languages:** Bash, C, C++, C++14, C++17, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, Java 14, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, Python 3.8, Racket, Ruby, Rust, Scala, Swift-4.1, Swift, TypeScript, Visual Basic

## CODE EDITOR

Save

C (gcc 10.3)



```
1  /*
2  // Sample code to perform I/O:
3  #include <stdio.h>
4
5  int main(){
6      int num;
7      scanf("%d", &num);                // Reading input from STDIN
8      printf("Input number is %d.\n", num);    // Writing output to STDOUT
9  }
10
11 // Warning: Printing unwanted or ill-formatted data to output will cause the test
12 // cases to fail
13 */
14 // Write your code here
15
```

1:1 · nde





Test against custom input ▼

Compile & Test code

Submit code

**Tip:** You can submit any number of times you want. Your best submission is considered for computing total score.

Your Rating:

Like 0

Share

View all comments

Resources

Solutions

CompanyService & Support

Tech Recruitment BlogAssess Developers

Product GuidesConduct Remote Interviews

Developer hiring guide

Engineering Blog

Developers Blog

Developers Wiki

Competitive Programming

Start a Programming Club

Practice Machine Learning

About

Us

Press

Careers

Technical Support

Contact Us

+1-650-461-4192

contact@hackerearth.com

