



00 : 09 : 04  
HRS MIN SEC

# Shopee Code League 2022 - Qualification Round

LIVE

INVITE ONLY ACCESS

Mar 19, 2022, 02:00 PM ICT - Mar 19, 2022, 05:15 PM ICT

- 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, Swii ?

CODE EDITOR

Save C++14 (g++ 10.3.0)

```
181     for(int i=0; i<T; i++){
182         string tempUser1;
183         string tempUser2;
184         string tmpTransfer;
185
186         cin >> tempUser1 >> tempUser2 >> tmpTransfer;
187         solve(tempUser1, tempUser2, tmpTransfer);
188     }
189 }
190
191 int main(){
192     ios_base::sync_with_stdio(false); cin.tie(NULL);
193     input();
194
195     map<string, string>::iterator itr;
196     vector<string> keys;
197     for(itr=userBlances.begin(); itr != userBlances.end(); ++itr){
198         string username = itr->first;
199         keys.push_back(username);
200     }
201
202     sort(keys.begin(), keys.end());
203     for(string key: keys){
204         string username = userBlances.find(key)->first;
205         string balance = userBlances.find(key)->second;
206         cout << username << " " << balance << endl;
207     }
208     return 0;
209 }
210
```

189:2 vscode

Test against custom input

Compile & Test code

Submit code

Submission ID: 70048922 / 1 minute ago

RESULT: Wrong answer

Refer judge environment

Score	Time (sec)	Memory (KiB)	Language
0	0.02913	2	C++14

Visibility	Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output
	Input #1	Accepted	0.010472	2	30	-	-
	Input #2	Accepted	0.008751	2	30	-	-
	Input #3	Wrong answer	0.009909	2	0	-	-

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	Company	Service & Support
	Tech Recruitment Blog	Assess Developers	About Us	Technical Support
	Product Guides	Conduct Remote Interviews	Press	Contact Us
+1-650-461-4192	Developer hiring guide	Assess University Talent	Careers	
contact@hackerearth.com	Engineering Blog	Organize Hackathons		
	Developers Blog			
	Developers Wiki			
	Competitive Programming			
	Start a Programming Club			
	Practice Machine Learning			