You are required to maintain number of patients infected by corona per country. You are given data which needs to be updated as and when new data is received.

The input line has two parts
1) string: Country, EXIT is specify end of input.
3) int: count

At the end print count per country (sorted by country name). Following is the sample input and expected output.

Input:
China 10
USA 5
China -5
USA -5
China -5
USA 5
EXIT

Output:
China:0
USA:5

Sample Test Cases

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>China 10 USA 5</td>
<td>China:0 USA:5</td>
</tr>
<tr>
<td>China -5 USA -5</td>
<td>China:0 USA:5</td>
</tr>
<tr>
<td>China -5 USA 5</td>
<td>China:0 USA:5</td>
</tr>
<tr>
<td>EXIT</td>
<td></td>
</tr>
</tbody>
</table>
null
entities: Part 7: Using the implemented class and conclusion (unit? unit=95&lesson=139)

Lecture 23: The Standard Library: Part 1: Class string (unit? unit=95&lesson=140)

Lecture 23: The Standard Library: Part 2: Class vector (unit? unit=95&lesson=141)


Lecture 23: The Standard Library: Part 4: Classes map and unordered_map (unit? unit=95&lesson=143)

Lecture 23: The Standard Library: Part 5: Iterators (unit? unit=95&lesson=144)

Download Videos (unit? unit=95&lesson=186)

Weekly Feedback (unit? unit=95&lesson=198)

Quiz: Week 10 Assignment (assessment? name=222)

Week 10 Programming Assignment 1

France 0
Italy 40
France 2
Italy 0
Italy 5
China 100
China -10
Spain 20
France 7
Italy 25
India 20
Italy -20
India -10
India 5
India -5
China 100
Italy 5
China 120
Spain 20
France 7
Italy 25
France 0
Italy 40
France 2
Italy 0
USA 10
Peru 5
USA 120
Spain 20
France 7
Peru 25
France 7
India 1
Peru 40
India 2
India 0
China 10
USA 5
China -5
USA -5
China -5
USA 5
China 100
Italy 5
China 120
Spain 20
France 7
Italy 25
China -30
India 1
China -30
Italy 40
India 2
Week 11

Week 12

Text Transcripts

China -20
India 0
India -2
Italy -20
China -50
Italy -40
India -1
China 10
USA 5
China -5
USA 5
USA -5
China -5
USA 10
Peru 5
USA 120
Spain 20
Peru 25
India 1
Peru 40
India 2
India 0
China 100
Italy 5
China 120
Spain 20
France 7
Italy 25
India 1
Italy 40
India 2
India 0
Italy 5
Spain 20
France 7
Italy 25
India 1
India 0
Italy 40
India 2
India 0
India -2
China 100
China 120
Spain 20
France 7
India 10
India 0
France 0
India -2
France -4
France 5
EXIT
Test Case 3

Spain 20
France 7
Italy 25
India 20
Italy -20
India -10
India 5
India -5
China 100
EXIT

Test Case 4

China 10
USA 5
China -5
USA -5
China -5
USA 5
EXIT

Test Case 5

Italy 5
China 100
China -10
Spain 20
France 7
Italy 25
India 20
Italy -20
India -10
India 5
India -5
EXIT

Test Case 6

China 100
Italy 5
China 120
Spain 20
France 7
Italy 25
France 0
Italy 40
France 2
Italy 0
EXIT

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Sample solutions (Provided by instructor)

```cpp
#include <iostream>
#define repeat(x) for(int _iterator_i = 0, _iterator_limit = x; _iterator_i < _iterator_limit; _iterator_i++)
#define main_program int main()
#include <cmath>
#include <map>
using namespace std;
```

https://onlinecourses.nptel.ac.in/noc20_cs53/progassignment?name=223
```cpp
int main()
{
    map<string, int> m;
    while(true){
        string country; cin >> country;
        if(country == "EXIT") break;
        int count; cin >> count;
        m[country] = m[country] + count;
    }
    for (auto x : m){
        cout << x.first << ":" << x.second << endl;
    }
}
```