**Followers**

*Now that Pesho has successfully created an account, he wants to connect with other users and gain as many followers, likes and comments as possible.*

Create a program that keeps information about Pesho's **followers**, **likes** and **comments.** Keep a record of the followers, each with the likes and comments Pesho has received from them.

You will be receiving **lines** with commands until you receive the **"Log out"** command. There are four **possible** commands:

* **"New follower: {username}":**
  + **Add** the **username**, to your **records** (with 0 likes and 0 comments).
  + **If** person with the given **username** already **exists ignore** **the line**.
* **"Like: {username}: {count}":**
  + If the username **doesn't** exist, **add** it to your records with the given count of likes.
  + If the username **exist**, **increase** the count of likes with the given count.
* **"Comment: {username}":**
  + If the username **doesn't** exist, **add** it to your records with **1 comment**.
  + If the username **exists**, **increase** the count of commens with **1**.
* **"Blocked: {username}":**
  + **Delete** all records of the given username.
  + If it doesn’t exist, print:

**"{Username} doesn't exist."**

In the end, you have to **print the count of followers,**

**each follower** with his/her **likes and comments** (the **sum** of **likes** and **comments**) sorted in **descending order** by the **likes** and **then by** their **username** in **ascending** order in the following format:

**{count} followers**

**{username}: {likes+comments}**

**{username}: {likes+comments}**

**...**

## Input

* You will be receiving linesuntil you receive the **"Log out"** command.
* The input will **always** be **valid**.

## Output

* Print the users with their **likes** in the **format** described above.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| New follower: gosho  Like: gosho: 5  Comment: gosho  New follower: gosho  New follower: tosho  Comment: gosho  Comment: tosho  Comment: pesho  Log out | 3 followers  gosho: 7  pesho: 1  tosho: 1 |
| **Input** | **Output** |
| Like: A: 3  Comment: A  New follower: B  Blocked: A  Comment: B  Like: C: 5  Like: D: 5  Log out | 3 followers  C: 5  D: 5  B: 1 |