# Friendlist Maintenance

Mitko is having trouble with his friendlist and some guys are disappearing without reason so he asks you to create a program that will figure out what is going on and at the end will bring him report.

On **the first line** you will **receive** all his friends in the list separated by **“, “**.On **the next lines** until **“Report”** you will receive **commands**. The commands could be:

* **Blacklist** command **{Blacklist {name}}**: When you receive that command you need to:
  + **Find** the name in the list and **change it** to **“Blacklisted”** and **print on console**:
    - **“{name} was blacklisted.”**
  + If the **name** is **not** on **the friendlist** then **print**:
    - **“{name} was not found.”**
* **Error** command **{Error {index}}**: When you receive that command you need to **check** if the **index** is in **range** of the **array**. If it’s in range and the **username** at the given index is **not “Blacklisted” or “Lost”** **change** the username to **“Lost”** and **print** on console:
  + **“{name} was lost due to error.”**

**Count all errors not only the ones that have changed username.**

* **Change** command **{Change {oldName} {newName}}**: When you receive that command you need to **check** if the user **exists** if **not print** on console:
  + **“{oldName} was not found.”**

If it **exits** then **change** the **old** username with the **new one** and **print** on console:

* + **“{oldName} changed his username to {newName}.”**

After you **receive “Report”** print on the console the **number of blacklisted users**, the **count of times errors occurred** and the friendlist but **only printing** **names** that are **not “Blacklisted”** or **“Lost”.**

### Input

* The **first input line** will contain the usernames that need to be stored.
* On the **next input** lines until **“Report”** you will **receive** commands.

### Output

* The output should be in the following format:
  + **“Blacklisted users: {numberOfBlacklistedUsers}.”**
  + **“Errors occurred: {numberOfErrors}.”**
  + **“{name1} {name2} .. {nameN}”**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Pesho, Gosho, Dragan  Blacklist Pesho  Error 4  Error 0  Error 1  Change Pesho Pesho123  Report | Pesho was blacklisted.  Gosho was lost due to error.  Pesho was not found.  Blacklisted users: 1.  Errors occurred: 3.  Dragan |
| **Comments** | |
| On the first line are the names from the friendlist that need to be stored in array.  After that the commands starts to flow in. The first command finds Pesho and blacklists him:  **“Pesho was blacklisted.”**  After that there is error **“Error 4”** but the index is out of range so nothing happens but its still gets counted. After that **“Error 0”** is again failed because the name is already blacklisted. **“Error 1”** counts and Gosho is replaced with lost and the messange is send to the console:  **“Gosho was lost due to error.”**  After that Pesho tries to change his username but since he is no longer in the list the message is send to console:  **“Pesho was not found.”**  And the report is asked for so the program ends with the shown output. | |
| Pesho, Gosho, Dragan, Marin  Error 15  Error 3  Change Pesho Pesho123  Blacklist Dragan  Report | Marin was lost due to error.  Pesho changed his nickname to Pesho123.  Dragan was blacklisted.  Blacklisted users: 1.  Errors occurred: 2.  Pesho123 Gosho |