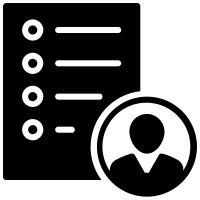
# Problem 2 - Friend List Maintenance



*Our player is having trouble with his friends' list, and some guys are disappearing without reason, so he asks you to create a program that will figure out what is going on and, in the end, will bring him a report.*

On **the first line,** you will **receive** all his friends separated by **", "**.On **the next lines** until the **"Report"** command, you will receive some **commands**:

* **"Blacklist {name}":**
* **Change the given name** to **"****Blacklisted"** and **print** **"{name****} was blacklisted.".**
* If there is **no such name** print: **"{name} was not found.".**
* **"Error {index}":**
* If the index is valid and the **username** at the given index is **not blacklisted or already lost due to an error**, **change** it to **"Lost"** and **print** **"{name} was lost due to an error.".**
* Otherwise, **ignore** the command.
* **"Change {index} {new name}":**
* If the index is valid, **change** the **current** username with the **new one** and **print** **"****{current name} changed his username to {new name}.".**
* Otherwise, **ignore** the command.

**An index is valid** when it is **non-negative and less than the size of the collection**.

After you **receive "Report"**, print on the console the **count of blacklisted names**, the **count of lost names,** and the friends' list separated by a **single space**.

### Input / Constraints

* The **first input line** will contain the usernames that need to be stored.
* On the **next input** lines until **"Report"**, you will **receive** commands.
* All given **names** will be **unique**.

### Output

* The output should be in the following format:
  + **"Blacklisted names: {number of blacklisted names}"**
  + **"Lost names: {number of lost names}"**
  + **"{name1} {name2} .. {nameN}"**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Mike, John, Eddie  Blacklist Mike  Error 0  Report | Mike was blacklisted.  Blacklisted names: 1  Lost names: 0  Blacklisted John Eddie |
| Mike, John, Eddie, William  Error 3  Error 3  Change 0 Mike123  Report | William was lost due to an error.  Mike changed his username to Mike123.  Blacklisted names: 0  Lost names: 1  Mike123 John Eddie Lost |
| Mike, John, Eddie, William  Blacklist Maya  Error 1  Change 4 George  Report | Maya was not found.  John was lost due to an error.  Blacklisted names: 0  Lost names: 1  Mike Lost Eddie William |

### JS Examples

The input will be provided as an array of strings.

|  |  |
| --- | --- |
| **Input** | **Output** |
| (["Mike, John, Eddie",  "Blacklist Mike",  "Error 0",  "Report"]) | Mike was blacklisted.  Blacklisted names: 1  Lost names: 0  Blacklisted John Eddie |
| (["Mike, John, Eddie, William",  "Error 3",  "Error 3",  "Change 0 Mike123",  "Report"]) | William was lost due to an error.  Mike changed his username to Mike123.  Blacklisted names: 0  Lost names: 1  Mike123 John Eddie Lost |
| (["Mike, John, Eddie, William",  "Blacklist Maya",  "Error 1",  "Change 4 George",  "Report"]) | Maya was not found.  John was lost due to an error.  Blacklisted names: 0  Lost names: 1  Mike Lost Eddie William |