### Input

* The **possible** commands are:
  + "**Registration**"
  + **"Letters {Lower/Upper}"**
  + **"Reverse {startIndex} {endIndex}"**
  + "**Substring {substring}"**
  + "**Replace {char}"**
  + "**IsValid {char}"**

### Output

* The **possible** outputs are:
  + **"The username {username} doesn't contain {substring}."**
  + **"Valid username."**
  + **"{char} must be contained in your username."**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| John  Letters Lower  Substring SA  IsValid @  Registration | john  The username john doesn't contain SA.  @ must be contained in your username. |
| ThisIsSoftUni  Reverse 1 3  Replace S  Substring hi  Registration | sih  ThisIs-oftUni  TsIs-oftUni |

### JS Examples

The input will be provided as an array of strings.

|  |  |
| --- | --- |
| **Input** | **Output** |
| (["John",  "Letters Lower",  "Substring SA",  "IsValid @",  "Registration"]) | john  The username john doesn't contain SA.  @ must be contained in your username. |
| (["ThisIsSoftUni",  "Reverse 1 3",  "Replace S",  "Substring hi",  "Registration"]) | sih  ThisIs-oftUni  TsIs-oftUni |