# Problem 2 – SoftUni Course Planning

You are tasked to help planning the next Programing Fundamentals course by keeping track of the lessons, that are going to be included in the course as well as all the exercises for the lessons.

On the first input line you will **receive the initial schedule of lessons and exercises** that are going to be part of the next course, separated by **comma and space ", ".** But before the course starts, there are some changes to make. Until you receive **"course start"** you will be given **some commands to modify the course schedule**. The possible commands are:

Add:{lessonTitle} – add the lesson to the end of the schedule, if it does not exist.

Insert:{lessonTitle}:{index} – insert the lesson to the given index, if it does not exist.

Remove:{lessonTitle} – remove the lesson, if it exists.

Swap:{lessonTitle}:{lessonTitle} – change the place of the two lessons, if they exist.

Exercise:{lessonTitle} – add Exercise after the lesson, if the lesson exists and there is no exercise already, in the following format "{lessonTitle}-Exercise". If the lesson doesn`t exist, Add the lesson in the end of the course schedule, following by the Exercise.

**Each time you Swap or Remove a lesson, you should do the same with the Exercises, if there are any, which follow the lessons.**

## Input / Constraints

* first line – the initial schedule lessons – strings separated by comma and space ", "
* until **"course start"** you get commands in the format described above

## Output

* Print the whole course schedule, each lesson on a new line with its number in the schedule:   
  "{lesson index}.{lessonTitle}"
* Allowed working **time** / **memory**: **100ms** / **16MB**.

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| Data Types, Objects, Lists  Add:Databases  Insert:Arrays:0  Remove:Lists  course start | 1.Arrays  2.Data Types  3.Objects  4.Databases |  |
| **Input** | **Output** | **Comment** |
| Arrays, Lists, Methods  Swap:Arrays:Methods  Exercise:Databases  Swap:Lists:Databases  Insert:Arrays:0  course start | 1.Methods  2.Databases  3.Databases-Exercise  4.Arrays  5.Lists |  |