# Tickets Scan

*Your next task is to extract information about a flight.*

You will be given **2 parameters**. The **first** one is a **string** you need to extract the information from. The **second** one will be the **information you need to print**.

The information to extract is as follows:

**Passenger name**:

* Starts with a **space** (' ')
* Consists of **2 or 3 names** (**upper and lower-case letters**)
* The names should be **separated by a single dash ('-')**
* Each name should **start with an upper-case letter**
* If there are **3 names**, **the second one should end with a dot ('.')**
* If there are **2 names**, **the second should not contain any dots**
* Ends with a **space (' ')**
* **Valid** examples with **2 names**: **' Test-Testov ', ' V-N '**
* **Valid** examples with **3 names**: **' T-T.-Testov ', ' Valid-V.-Name '**

**Airport:**

* Starts with a **space** (' ')
* Should consist of **3 upper-case letters**, the symbol '**/**' and **3 more upper-case letters**
* Ends with a **space (' ')**
* **Valid** airports are: **' SOF/VAR ', ' VIE/AIR '**

**Flight number**:

* Starts with a **space (' ')**
* Followed by **1 to** **3 upper-case letters**
* Followed by **1 to 5 digits**
* Ends with a **space (' ')**
* **Valid** flight numbers are: **' DWF24 ', ' S43159 ', ' OE314 '**

**Company**:

* Starts with dash and space **'- '**
* Followed by **one or more** **letters** (**starting with an upper-case letter**)
* Followed by **'\*'**
* Followed by **one or more** **letters** again (**starting with an upper-case letter**)
* Ends with a space **(' ')**
* **Valid** companies: **'- Wizz\*Air ', '- X\*Y '**

### Input

**Two parameters**: the string you have to extract the information from and the command for the output

### Output

**4 different type of outputs** depending on the **second** parameter:

**'name'** – print **'Mr/Ms, {name}, have a nice flight!'**

'**flight'** – print **'Your flight number {flightNumber} is from {fromAirport} to {toAirport}.'**

**'company'** – print **'Have a nice flight with {companyName}.'**

**'all'** – print **'Mr/Ms, {name}, your flight number {flightNumber} is from {fromAirport} to {toAirport}. Have a nice flight with {company}.'**

The name should be printed **without the '-'** (if any) and **with spaces instead**:   
**' STEF-T.-Stefanov ' -> 'STEF T. Stefanov'**.

The **company** should be printed **without the '- '** and the **'\*'**:

**' - Wizz\*Air ' -> 'Wizz Air'.**

The **flight number** should be printed **without the spaces in the front and back**:

**' OS806 ' -> 'OS806'**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 'ahah Second-Testov )\*))&&ba SOF/VAR ela\*\* FB973 - Bulgaria\*Air -opFB900 pa-SOF/VAr//\_- T12G12 STD08:45 STA09:35 ', 'all' | Mr/Ms, Second Testov, your flight number FB973 is from SOF to VAR. Have a nice flight with Bulgaria Air.  Mr/Ms, Second Testov, your flight number FB973 is from SOF to VAR. Have a nice flight with Bulgaria Air. |
| ' TEST-T.-TESTOV SOF/VIE OS806 - Austrian\*Airlines T24G55 STD11:15 STA11:50 ', 'flight' | Your flight number OS806 is from SOF to VIE. |