# Computer Memory, References and Pointers – Lab

Submit your solutions here:  
 <https://alpha.judge.softuni.org/contests/computer-memory-references-and-pointers-lab/4619>

## TryParse

Write a program that:

* Reads two strings, each of which **is either a valid integer** **or** **contains only letters**
* Try to parse them into **integer** numbers
  + If both numbers can be parsed, calculate and print sum of the parsed numbers
  + Otherwise, two lines are printed:
    - One of them for the first number, the other for the second number
    - Each of those lines contains either the input string for that number, but if the number was not successfully parsed, the line starts with "[error] " followed by the input string for the number

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 13 42 | 55 |
| asd 112 | [error] asd  112 |

## Find

Write a program that:

* Reads info about **companies in the following format: {name} {id}**
* Read infos until **you receive command "end"**
* Read a **search id**
* **Find a company with that id**
  + If there is such a company, prints the info about found company in **the following format: {name} {id}**
  + If no such company has been entered, the program prints "[not found]"

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| acme 424242420  itjoro 878968302  softuni\_foundation 20140414  end  878968302 | itjoro 878968302 |

## Order

Write a program that:

* Reads info about **companies in the following format: {name} {id}**
* Read infos until **you receive command "end"**
* Print company infos order by **id** **in ascending order**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| acme 424242420  softuni\_foundation 20140414  itjoro 878968302  end | softuni\_foundation 20140414  acme 424242420  itjoro 878968302 |