

Computer Memory, References and Pointers – Lab

Submit your solutions here: <https://judge.softuni.org/Contests/4619/Computer-Memory-References-and-Pointers-Lab>

1. 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

2. 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

3. 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