# 01. Pointers and References – Homework Exercises

Write C++ code for solving the tasks on the following pages.

Code should compile under the C++03 or the C++11 standard.

Submit your solutions here: <https://judge.softuni.bg/Contests/1144/CPlusPlus-Advanced-2018-September-01-Pointers-and-References-Homework>

Any code files that are part of the task are provided under the folder **Skeleton**.

Please follow the exact instructions on uploading the solutions for each task.

# Task 2 – Find

You are given program in a Main.cpp file that reads info about **companies** – **name** and **id** – and then reads a **search id**, finds a company with that **id**, and prints the info about that company. If no such company has been entered, the program prints "[not found]". To do the search, the program uses a function named find. To describe a company, it uses the Company.h file, which you are also given.

Your task is to study the code in Main.cpp, then create a file called Find.h (which Main.cpp includes) containing the definition of the find function, written in such a way that Main.cpp compiles successfully and works as described above.

You should submit a single .zip file for this task, containing ONLY the Find.h file. The Judge system has a copy of the Main.cpp file and will compile it and your Find.h file in the same directory.

To correctly use the Company definition, without interfering with its usage by Main.cpp, use the following structure for the Find.h file:

|  |
| --- |
| **Find.h** |
| #ifndef FIND\_H  #define FIND\_H  #include "Company.h"  // Place your code here, as well as any other #include directives you might need  #endif // !FIND\_H |

### Examples

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