# 05. Code Organization and C++ Templates

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/1187/05-Code-Organization-and-CPlusPlus-Templates-Homework> (select “Compete” when prompted)

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.

NOTE: the Judge system treats each .cpp file as a compilation unit, compiles each such file and links them together to create the final executable, which is checked against the tests.

# Task 2 – Censorship

*Did you hear about article 13? You should.*

You are given some code, which reads a line of strings (separated by single spaces) which describe “**copyrighted**” strings. Then it reads several lines (until a line containing the string "end" is entered), and checks each of them against the **copyrighted** words:

* If the line matches a copyrighted string, it is “**blocked**”
* Otherwise it is printed back on the output
* The last line "end" is not included in this logic, it just determines when the reading ends. No two lines will be the same.
* After the end line, the program prints a line beginning with "Blocked: ", followed by all the **blocked** strings, separated by single spaces, in the order they were entered

The program handles input and output, but uses a class named Article13Filter to do the blocking and store the blocked strings.

Your task is to study the available code and create a file with code such that the program compiles successfully and accomplishes the task described above.

You should submit a single .zip file for this task, containing ONLY the file(s) YOU created. The Judge system has a copy of the other files and will compile them, along with your file, in the same directory.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| eussr censorship machines  notblocked  eussr  machines  hello  censorship  end | notblocked  hello  Blocked: eussr machines censorship |