# 8. Destructors, Constructors and Copy-Assignment

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/1280/08-CPlusPlus-OOP-Inheritance-and-Polymorphism> (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 – Aggregators

You are given code that reads a series of integer numbers and does an “aggregation” on them, which results in a single integer. Aggregation types are one of:

* sum – sums the items in the series into a single integer
* average – calculates the average of the series, as calculated by the integer division of the sum and the number of items in the series
* min – finds the minimum integer in the series

The provided code handles input and output but lacks the functionality for the aggregations – you need to implement them so that the code compiles successfully and accomplishes the task described.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| average  4 8 -2 | 3 |
| min  4 8 2 | 2 |
| sum  4 8 -2 | 10 |