

C++ OOP – Regular Exam – 20 April 2024

Submit your zip file here: <https://judge.softuni.org/Contests/Compete/Index/4740>

1. Student Statistics

The code uses **BaseStudent** class in a way, in which you need to inherit it to do the right job.

main.cpp takes care for processing the input and output, but it's **missing functionality**.

Study the provided skeleton and **finish the app**, so that it works as expected.

Note: For submission you have to zip **Solution.h**.

Example Input / Output

Input	Output	Explanation
Alice 89 Bob 92 Carol 78 David 85 Eva 91 end	0..9 => 0 10..19 => 0 20..29 => 0 30..39 => 0 40..49 => 0 50..59 => 0 60..69 => 0 70..79 => 1 80..89 => 2 90..99 => 2	There's 1 student with grades from 70...79, and two within the other ranges 80...89 and 90...99

Example Input / Output

Input	Output
Frank 13 Georgia 88 Henry 2 Ivy 45 Jack 77 Karen 82 end	0..9 => 1 10..19 => 1 20..29 => 0 30..39 => 0 40..49 => 1 50..59 => 0 60..69 => 0 70..79 => 1 80..89 => 2 90..99 => 0