

The third exercise work as the part of the course's credits.

You can do the course traditionally: you do the four exercise works, after which you can participate the actual exam, which has five or six questions. The grade is defined only on the basis of the exam.

As an alternative, you can decide whether you want credits of the third exercise work (other three works have to be done also) and participate in a small exam. In the final grade of the course the weighed by $2/3$ by the third exercise work and the exam by $1/3$. The exercise works have to be done and reports return before you get credits and a grade of the course.

The implementation of exercise work 3

The program has to be written with C++ using object oriented programming. The student has to show that he/she masters the following features of the language:

- classes and hiding of information
- inheritance
- polymorfism (overloading of functions)
- exceptions and templates of classes.

Furthermore the student has to master linked list as a size-changing information structure (the use of standard library's containers is enough).

Documentation

If you want that your grade depends on this exercise work, the program has to be commented carefully: as a commented code and as a manual for the user. It's useful to keep a diary of the making progress. It effects the grade also, because it's the person who gives you the grade become convinced of your personal effort. This is why a typewritten/printed diary is not accepted but instead a small booklet, where your thoughts are written in your own hand writing. You have to mark all the dates when you have worked with your programs and the features and details that you have implemented at that date.