

Object-oriented Programming

Assignment Sheet No. 12

Date: January 24

The purpose of this assignment sheet is to prepare you for the final exam. It lists the relevant lecture topics and points you to exercises you should use for preparation.

Relevant Topics

Relevant is everything we considered in Lectures 2-11. There will not be questions regarding topics from Lectures 12 and 13.

Exercises

You should use the following exercises for preparation. Their solutions are available on the web page, better study them carefully. *Keep in mind that you have to be able to write C++ code on paper without the help of a compiler or IDE!*

In the list below, Ex. is short for Exercise (on an Assignment Sheet).

- **Vectors:** Ex. 3.1 and Ex. 3.2
- **Maps and File IO:** Ex. 4.2, Ex. 4.3, and Ex. 4.4
- **Functions:** Ex. 5.1 and Ex. 5.2
- **Function Overloading:** Ex. 6.1 and Ex. 6.3
- **Custom Data Types:** Ex. 7.1 and Ex. 7.2; Exam 3.2 and Exam 3.3
- **Inheritance:** Ex. 8.2; (also Exam 4.1 and Exam 4.2 but solutions are not yet available)
- **Virtual Functions:** Ex. 9.1 and Ex. 9.2
- **Pointers:** Ex. 10.1 and Ex. 10.2