



## Lab Experiment — C++ Practice

# Basics of C++ & Classes and Objects in C++

## Objectives

To practice in C++ to dive into Classes and usage scenarios  
To be ready for coming complex lab experiments

## Activities

1. Create a new code repository on bitbucket with your student\_no as lab\_exp\_<student\_no> (For example: lab\_exp\_1521202311). The name is unimportant.
2. Download the X-sample.zip file containing some CPP and header files. The download link is published with this document on the UZEM.
3. Open the main.cpp file with any text editor.
  - a. You will see the questions there.
  - b. Solve the questions one by one and commit each of them separately. You need to open other files, too.
    - i. Solve question 1
    - ii. Add files to the staging area (git add .)
    - iii. Commit with a brief message.
    - iv. Push to the repository
    - v. Go to the next question and repeat from i.

## Problem-Solving Tips

1. Solve questions one by one.
2. Read the questions carefully, and do not try a workaround. Solve the problem as described
3. Create new methods for all operations you need extra.
4. Do not implement logic in Main. Do it in class, which is responsible.