

# Object Oriented Programming

## Homework 2

**Given out:** 3<sup>rd</sup> February 2023

**Submission Deadline:** 7<sup>th</sup> February 2023 (11:55 pm)

**Instructions:** To solve the following problems refer to problem 2 of lab task 2 (getting student information) covered in the lab. The questions below are a continuation of the student class.

### **Problem 3 - Find the best student**

In the student class, write a function that finds the best performing student. It is possible that a student may have scored the highest marks but have actually failed a course. Therefore you need to put proper checks in place to find the best student among all the 20 students.

### **Problem 4 - Find the best student from a text file**

Repurpose Problem 3 such that it reads all the student data from a text file. If you want to learn how to read files in Java, please read the following link.

([https://www.w3schools.com/java/java\\_files\\_read.asp](https://www.w3schools.com/java/java_files_read.asp))