

Programming A

3rd Weekly Note (E10, Week 37)

Reading for Week 37

Sections 3.1–3.3, 3.5, 3.8, 4.1, and 4.2 in “Java Software Solutions”;
Section 3.17 in “Noter og opgaver”;
Look at the class “Math” in the Java class library:
(<http://download-llnw.oracle.com/javase/6/docs/api/>).

Lecture: Tuesday, September 14, 10-12 (U140)

In this lecture we will continue to work with strings and then the first part of the project will be handed out and explained.

Lecture: Thursday, September 16, 8-10 (U140)

We introduce the basic ideas of classes and objects and show how to use them to create your own data types. We come back to boxing and unboxing of primitive types. We close by a short introduction to the “Math” class.

Lab: see schedule for time, IMADA’s terminalrum

Continue with Exercises 5–19 in “Noter og opgaver”. Then work on Exercises 21, 22, and 25 in “Noter og opgaver”.

Exercises: see schedule for time and room

Discuss the first part of the projekt: What can be reused of our previous programs? What is the difficulty? What to test and how to make these tests? Which parts of the Java class library could be helpful?

Discuss Exercises 5.2 – 5.5, 5.8, 7.1, 7.3, 7.5, 7.6, and 7.8 in “Java Software Solutions”. First try answer these exercises without trying them on the computer. Then, try to check your answers by trying them on the computer. Write a program that counts both the number of small and the number of capital letters in a String.