

Programmering A

2nd Weekly Note (E10, Week 36)

Announcements

Anyone who still has not got an IMADA account, please contact Peter Schneider-Kamp as soon as possible.

Reading for Week 36

Sections 4.4, 7.1, 7.2, and 7.7 in “Java Software Solutions”;
Sections 3.1–3.7, 4.1, 4.2, 5.1, and 5.2 in “Noter og opgaver”; Look at the classes “Double”, “Integer” and “Array” in the Java class library:
(<http://download-llnw.oracle.com/javase/6/docs/api/>).

Lecture: Tuesday, September 7, 10-12 (U140)

In this lecture we learn how to read from a file and how to handle errors. Then we see our first reference data types and learn about lists.

Lecture: Thursday, September 9, 8-10 (U140)

We continue with a review of the for loop and introduce the switch-case construct. An important focus of the lecture will be the introduction of methods. Finally we learn about arrays and strings.

Lab: see schedule for time, IMADA’s terminalrum

Test the program Median from the slides of the third lecture and find problematic inputs. Try to come up with solutions to these problems.

Continue with “De første øvelser”. After that, work on Exercises 5–19 in “Noter og opgaver”.

Also change the program `Middelvaerdi` from “De første øvelser” in such a way that the program stops when the user types “stop” instead of “0”. Hint: replace `nextInt()` by `nextLine()` followed by a conversion with `Integer.parseInt(...)`.

Finally, experiment with boxing and unboxing (`int` and `Integer`) and compare the compiled code (`javap -c classname`) for variants with explicit and implicit boxing and unboxing. Repeat this experiment with explicit and implicit typecasting using the program `Middelvaerdi`.