Lecture (February, 12th)

- Introduction to C. The slides can be accessed via blackboard.

- The examples that were shown in the lecture can be downloaded here: `http://www.imada.sdu.dk/~daniel/DM510/add/dm510-c-examples.tar.gz`

- In the lecture we discussed the macro `#define CUB(a)((a)*(a)*(a))`. `CUB(++x)` is translated by the C preprocessor to `(++x)*(++x)*(++x)`. We discussed the outcome for `x=3` (see test program `test10.c`). It turns out that this expression is evaluated to 150 with the gcc compiler (version 4.2.4 on Linux, the similar expression would give you 120 in Java). Reading the C99 specification it turns out, that it is undefined, what a C compiler has to do here. For details see for example point 4 of `http://en.wikipedia.org/wiki/Sequence_point`.

- An online C programming course can be found here: `http://www2.its.strath.ac.uk/courses/c/`