**Sebastian Hack**                                           **October 28, 2008**
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## Tutorials for "Advanced C"
## Exercise sheet 2

**Exercise 2.1:** (*10+2 P*)
Write a parser for the DIMACS SAT cnf input format following all Basic C Steup rules from
the second lecture. The program generated by make has to be called *SAT*. The program may
assume that file input lines consist of at most 1000 characters. You receive 2 bonus points if
your program does not rely on this assumption (of an a priori fixed length). Conform to the
permitted libraries and tools. Your program should compile without warnings using the flags
from the lecture with gcc version 4 or greater. It accepts a DIMACS SAT cnf input file as
argument and returns

<number of different variables contained in the file>:<number of variables announced>
<number of clauses contained in the file>:<number of clauses anncounced>

We will put example input files on the web under this exercise. Submit your solution as a
*.tgz* tarball. You will receive the conrete submisssion procedure via email. Don't forget to
register now for the course on the course's homepage.

Submit your solution until the lecture on November 4.

**Note:** Joint solutions are not permitted.