

## Homework 8

1. Write a program in the WHILE-language that calculates the factorial function.
2. What optimisations could a compiler perform when compiling a WHILE-program?
3. What is the main difference between the Java assembler (as processed by Jasmin) and Java Byte Code?
4. Parser combinators can directly be given a string as input, without the need of a lexer. What are the advantages to first lex a string and then feed a sequence of tokens as input to the parser?