

CSEN1002 Compilers Lab, Spring Term 2020

Task 4: ANTLR Lexical Analysis

Due: Week starting 29.02.2020

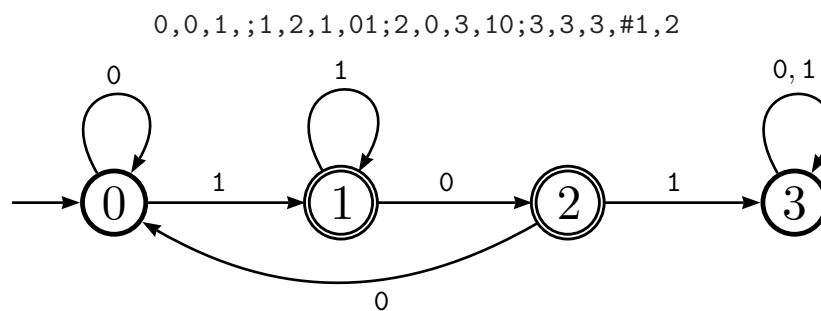
1 Objective

For this task you need to implement a simple lexical analyzer using ANTLR (www.antlr.org). Your tutor will introduce you to ANTLR during the session, but you are urged to prepare by taking a look at the ANTLR documentation:

github.com/antlr/antlr4/blob/master/doc/index.md.

2 Requirements

- You will implement an ANTLR lexical analyzer for a variant of the fallback DFA example introduced in the Task 3 description document:



- For example, running the lexical analyzer implementing the above FDFA on the string 1011100 produces the output 10.

3 Evaluation

- Your implementation will be tested on ten input strings.
- You get one point for each correct output; hence, a maximum of ten points.