Assignment 7

FILES INCLUDED

Makefile: Contains instructions to create and run the executables for the lex and yacc file

a7\_220101122.y: YACC file containing the code for the parser

a7\_220101122.l: Flex file for the lexical analyser

reductions\_output.txt: Contains the reductions done during parsing

symbol\_table\_output.txt: Contains the symbol table generated during parsing

INSTRUCTIONS

Use the Makefile to generate the files

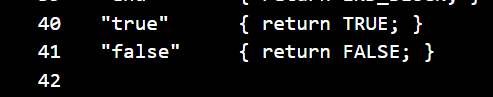
Run the executable using the following instruction:

./a7\_220101122 < microc\_test.mc

KEY MODIFICATIONS

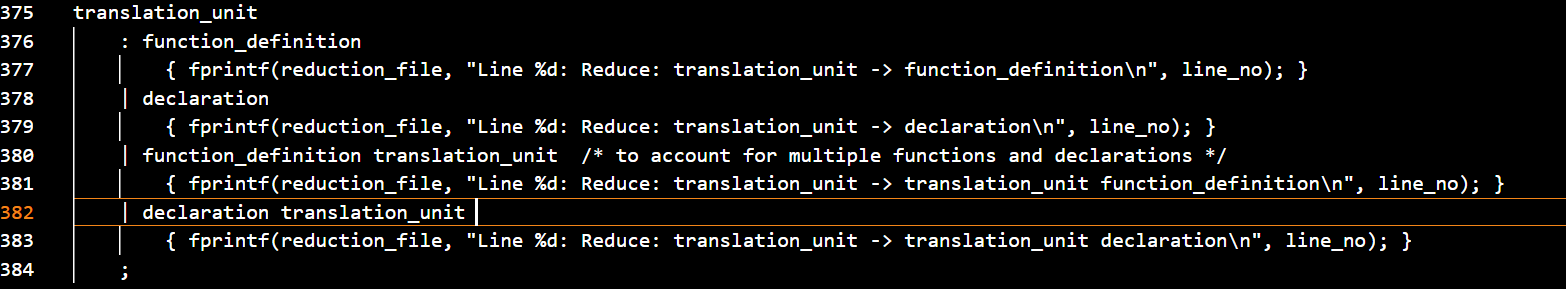
Float handled similarly to the description in the assignment.

Bool handled separately with token definitions given by:

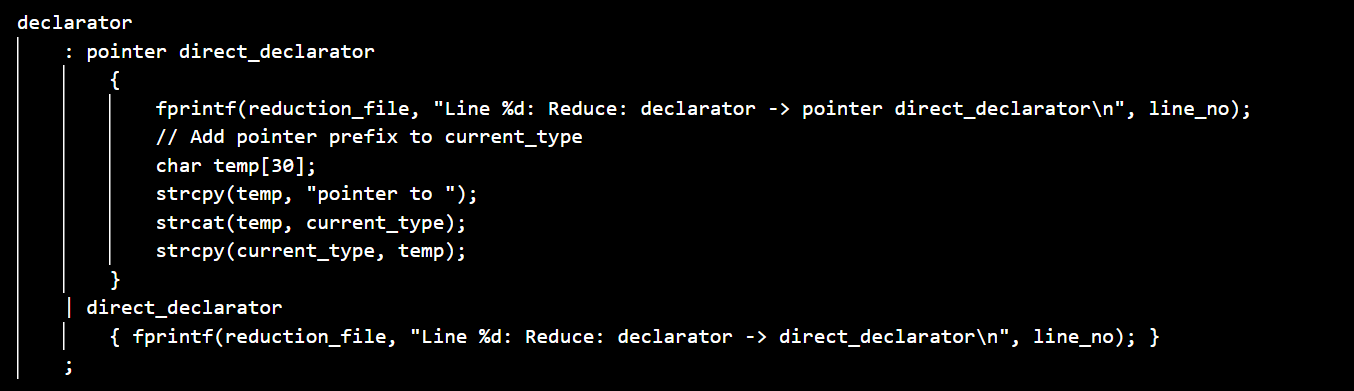


Modifications to given grammar:

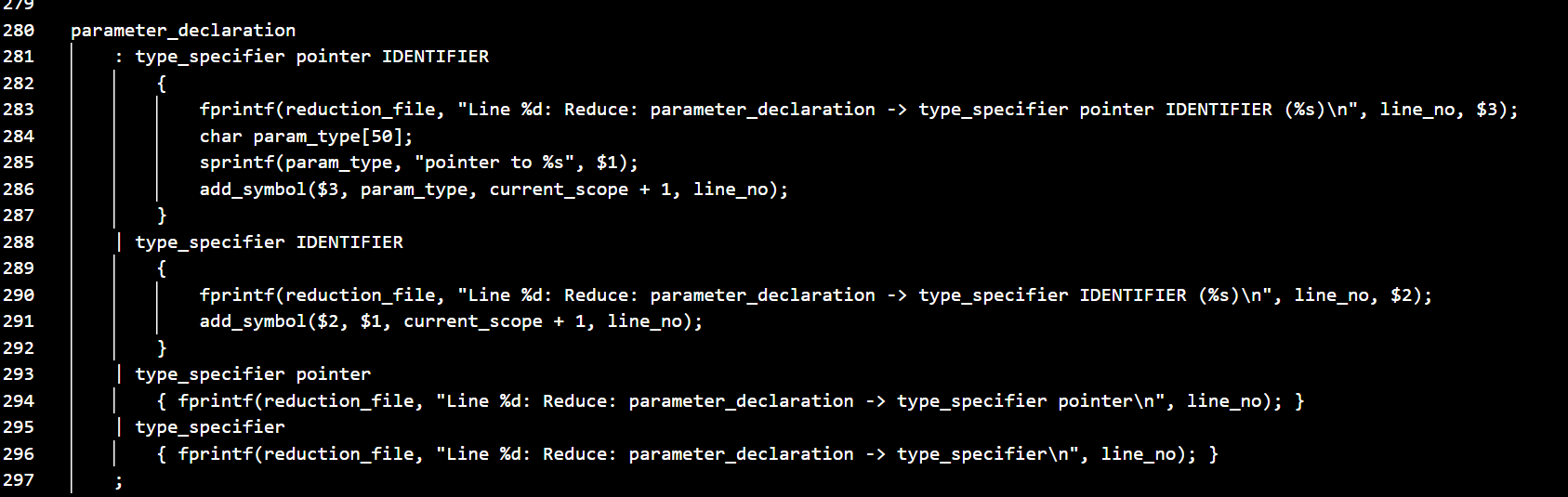
1) Transition unit expression extended to allow for multiple function definitions and declarations (each starting from a new transition unit as start symbol)



2) (Logically same as pointer\_opt but distinction made to save changes to symbol table)



3) (Logically same as pointer\_opt identifier\_opt but changes made since IDENTIFIER logic requires symbol table changes as well)



4) (Logically same as parameter\_list\_opt, change done to avoid reduce-reduce conflict)

