INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

COMPILER DESIGN

CS335

Assignment 1

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Question 1

Tools Used:
FLEX
Execution Instructions:

1. Install flex on Ubuntu/debian system via the command *sudo get install flex*
2. Download the flex file (the one with extension .l) and move to the directory containing the file in command line. Or else, go to the folder containing the flex file and open terminal there.
3. Run the command *flex scanner.l* to compile the lex file into a c++ executable with name lex.yy.cc
4. Run the command *g++ -o scanner lex.yy.cc -lfl* to compile this executable with a c++ compiler.
   -o is to apply first level optimization
   -lfl is to link the program with default flex library
5. Now execute the executable with the full path name of the test case file as an argument, i.e, run *./scanner /full/path/of/testcase*
6. An output file, named output.csv would be created.

Question 2

Tools Used:
FLEX
Execution Instructions:

1. Install flex on Ubuntu/debian system via the command *sudo get install flex*
2. Download the flex file (the one with extension .l) and move to the directory containing the file in command line. Or else, go to the folder containing the flex file and open terminal there.
3. Run the command *flex java_scanner.l* to compile the lex file into a c++ executable with name lex.yy.cc
4. Run the command *g++ -o java_scanner lex.yy.cc -lfl* to compile this executable with a c++ compiler.
   -o is to apply first level optimization
   -lfl is to link the program with default flex library
5. Now execute the executable with the full path name of the test case file as an argument, i.e, run *./java_scanner /full/path/of/testcase*
6. An output file, named output.csv would be created.

Thank You