Steps for Doing this Lab
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1. Previously you have seen that one can program a small JAVA program to search and print out a substring with pattern a*b. This approach becomes difficult when there are a larger number of patterns and actions. Lex or Flex can generate this kind of program to check the patterns and fulfill actions.
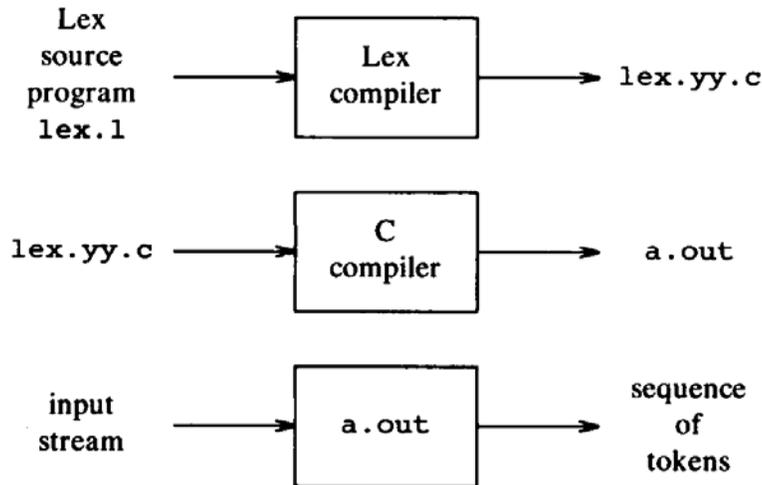

Fig. 3.17. Creating a lexical analyzer with Lex.

2. You have to follow these steps:
   2.1. create a lex source file (e.g. test.l) containing the patterns and actions, by following the required format. Refer to lex_manpage.pdf.
   2.2. compile test.l by using the command line `flex test.l`
   2.3. you will find a new file generated by flex, named lex.yy.c
   2.4. compile using the command `gcc lex.yy.c -lfl -o test`
   2.5. you should get your executable file, called `test`
   2.6. create a text file (e.g. t.txt) containing your inputs
   2.7. execute the generated program using the command `test < t.txt`
   2.8. you should be able to get what you expected
3. Try to understand what is going on, what lex or flex does.