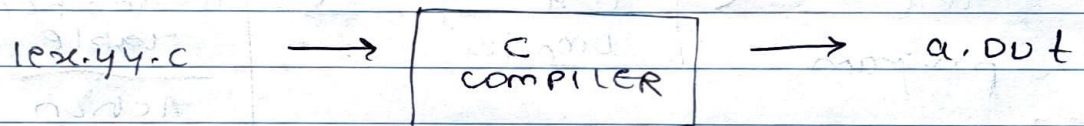


EXPERIMENT NO. 2

Aim: Write a program to implement code generation (Lex + YACC)

Theory:

- LEX - It is a tool or computer program that generates lexical analyzer (converts the stream of characters into tokens). Lex tool itself is a compiler.
- Diagram.

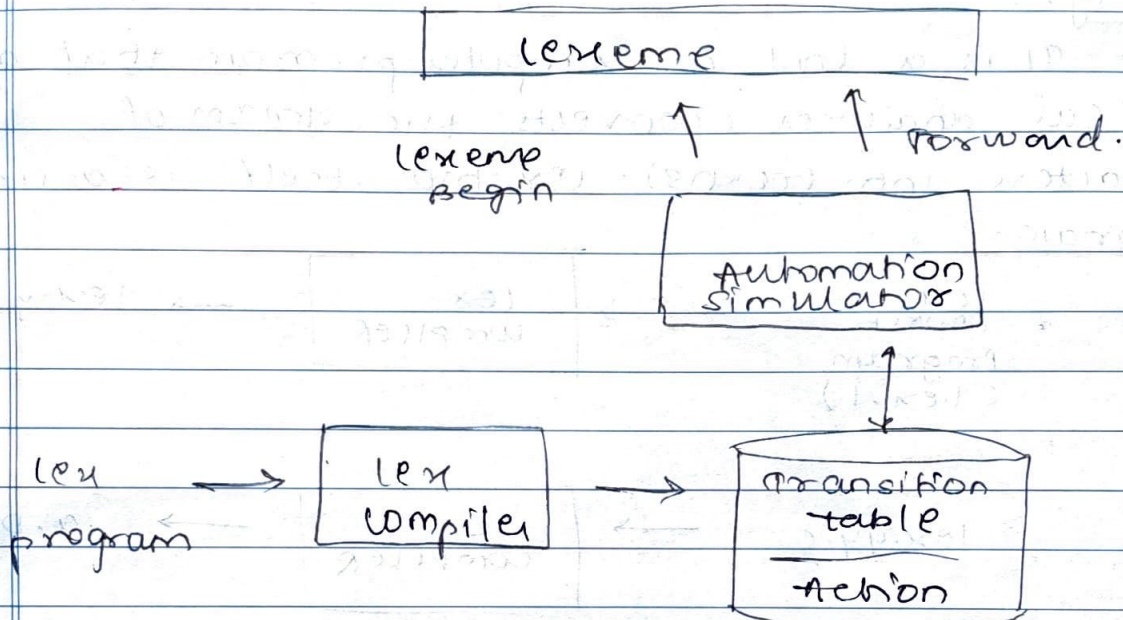


Installation & compilation of Lex + YACC.

- sudo apt-get update
- sudo apt-get install flex
- sudo apt-get install bison
- >> lex.program.c
- >> gcc lex.yy.c.ll
- >> ./a.out

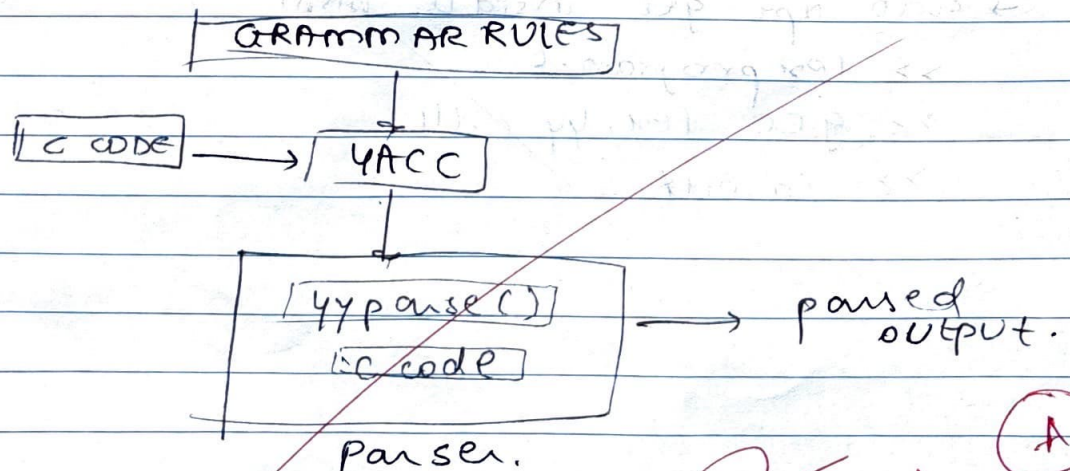
Diagram:

Input buffer



YACC - Grammars for yacc are described using BNF. A BNF grammar can be used to express context-free languages.

Yacc generates a parser in file `y.tab.c` or an include file `y.tab.h`.



9/2/24 (A)