Write a Program to convert Non-deterministic finite automaton (NFA) to Deterministic finite automaton (DFA)

2. Study LEX tool and write a program using LEX specification to implement lexical analysis phase of compiler to generate tokens of subset of Java program.

3. Write a program using LEX specifications to implement lexical analysis phase of compiler to count no. of words, lines and characters of given input file.

4. Write a program using YACC specifications to implement syntax analysis phase of compiler to validate type and syntax of variable declaration in Java.

5. Write a program using YACC specifications to implement syntax analysis phase of compiler to recognize simple and compound sentences given in input file