Compiler Construction

List of experiments

1. Write a program to implement the Lexical Analyzer such that it calculate the types of tokens and the number of tokens for a given input.

2. Write a program to calculate the number of characters, number of words and the number of lines present in the given text file as input.

3. Write a program to implement the conversion of .c to .cpp file format.

4. Write a program to implement the conversion of .c to .java file format.

5. Write a program to implement the string matching pattern (a|b)*abb .

6. Write a program to implement the regular expression detector which indicates the acceptance of a given string for a particular regular expression.

7. Write a program to implement the error handling , which indicates the error, corresponding error message and diagnostics.

8. Write a program to implement the simulation of deterministic finite automation which indicates the acceptance/ignorance of the particular pattern.

9. Write a program to implement the conversion of regular expression to non-deterministic finite automation.

10. Write a program to implement the parse tree generator for arithmetic expressions.

11. Write a program to implement the BODMAS evaluation