

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