

CS321 Compiler Lab

Work-3

Do the following.

1. Write a LEX program to recognize whether a given sentence is simple or compound.
2. Write a LEX program to recognize and count the number of identifiers in a given input file.
3. Write a LEX program to accept a file as input. The file contains a number of SQL queries. The LEX program should output the number of DDL and DML queries.
4. Write a LEX program to recognize a valid arithmetic expression and identify the identifiers and operators present. You may use other data structures wherever required.