

School of CET

System Software and Compiler lab

TY BTech CSE

Assignment No.7

Title: Validation of compound statement using LEX and YACC tool.

Problem Statement: Write a program using LEX and YACC to validate compound statements in High Level Language

Objective:

1. To study YACC tools for syntax analysis.
2. To master YACC utility.

Theory:

1. Write about the syntax analysis phase of the compiler.
2. Description of Each Section of *.y file with example-
3. Description of standard inbuilt variables and functions like yyval, yyparse(), yyerror().
4. Compilation and Execution Process

Input: Source specification (*.y) file for loop statement like If statements, while and do-while statements.

Output: statement is grammatically correct or not.

Conclusion: Parser for validation of compound statement is successfully done.

Platform: Linux (Lex and Yacc)

FAQs:

1. What is the role of the y.tab.h file?
2. Explain YACC tool.

