Compilers Laboratory

B. Tech. 6th Semester

Batch: 2017

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Faculty	Engineering & Technology
Programme	B. Tech. in Computer Science and Engineering
Course	Compilers Laboratory
Year/Semester	2017/6th Semester
Course Code	CSC312A

List of Experiments

LEX PROGRAMS

1. Program to count the number of vowels and consonants in a given string.
2. Program to find the longest word in a given string.
3. Program to count no of:
    a. +positive and –negative integers
    b. +positive and –negative fractions
4. Program to count the number of characters, words, spaces, end of lines in a given input file.
5. Program to count the no of 'scanf' and 'printf' statements in a C program. Replace them with 'readf' and 'writef' statements respectively.
6. Program to perform addition, subtraction, multiplication, division and power. Note: Without Precedence.

YACC & LEX PROGRAMS

7. Program to recognize a valid variable, which starts with a letter, followed by any number of letters or digits.
8. Program to test the syntax of a simple expression and evaluate an arithmetic expression involving operating +, -, * and /
9. Program to recognize strings 'aaab', 'abbb', 'ab' and 'a' using grammar (a^nb^m, n>=0. m>=0)