

SHREE SWAMI ATMANAND SARASWATI INSTITUTE OF TECHNOLOGY

COMPUTER ENGINEERING DEPARTMENT



PRACTICAL LIST

SUBJECT NAME: Compiler Design (2170701)

YEAR: 4th Year (7th Semester)

Sr. No.	Practical Aim
1.	Implementation of Finite Automata and String Validation
2.	Introduction to Lex Tool.
3.	Implement following Programs Using Lex a. Generate Histogram of words b. Ceasor Cypher c. Extract single and multiline comments from C Program
4.	Implement following Programs Using Lex a. Check weather given statement is compound or simple b. Extract html tags from .html file
5.	Implement following programs using Lex. a. Create a Lexer to take input from text file and count no of characters, no. of lines & no. of words. b. Write a Lex program to count number of vowels and consonants in a given input string.
6.	Implement Lexical Analyzer using lex tool for C Language
7.	Write a C program for constructing recursive descent parsing
8.	Write a C program to find FIRST set of Given Grammar
9.	Write a C program to find FOLLOW set of Given Grammar
10.	Write a C program to implement operator precedence parsing.
11.	Study about Yet Another Compiler-Compiler(YACC) & generate simple calculator program
12.	Generate 3-tuple intermediate code for given expression containing operators + and -
13.	Create Yacc and Lex specification files are used to generate a calculator which accepts, integer and float type arguments.

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