

Compiler Design Practical

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Sr. No	Experiment Title
1	<ul style="list-style-type: none"> a) Write a program to recognize strings starts with 'a' over {a, b}. b) Write a program to recognize strings end with 'a'. c) Write a program to recognize strings end with 'ab'. Take the input from text file. d) Write a program to recognize strings contains 'ab'. Take the input from text file.
2	<ul style="list-style-type: none"> a) Write a program to recognize the valid identifiers. b) Write a program to recognize the valid operators. c) Write a program to recognize the valid number. d) Write a program to recognize the valid comments. e) Program to implement Lexical Analyzer.
3	To Study about Lexical Analyzer Generator (LEX) and Flex(Fast Lexical Analyzer)
4	Implement following programs using Lex. <ul style="list-style-type: none"> a. Write a Lex program to take input from text file and count no of characters, no. of lines & no. of words. b. Write a Lex program to take input from text file and count number of vowels and consonants. c. Write a Lex program to print out all numbers from the given file. d. Write a Lex program which adds line numbers to the given file and display the same into different file. e. Write a Lex program to printout all markup tags and HTML comments in file.
5	<ul style="list-style-type: none"> a. Write a Lex program to count the number of C comment lines from a given C program. Also eliminate them and copy that program into separate file. b. Write a Lex program to recognize keywords, identifiers, operators, numbers, special symbols, literals from a given C program.
6	Program to implement Recursive Descent Parsing in C.
7	<ul style="list-style-type: none"> a. To Study about Yet Another Compiler-Compiler(YACC). b. Create Yacc and Lex specification files to recognizes arithmetic expressions involving +, -, * and /. c. Create Yacc and Lex specification files are used to generate a calculator

		which accepts integer type arguments. d. Create Yacc and Lex specification files are used to convert infix expression to postfix expression.
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