

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
STUDENT LAB REPORT SHEET
COMPILER DESIGN LAB (PCS-601)

Name of Student **Mo. No.**.....

Address Permanent

Father's Name **Mo No**

Mother's Name **Mo No**.....

Section**Branch**.....**Semester**..... **Class Roll No**.....

Local Address.....**Email**..... **Grade** **A** **B** **C**
Marks 5 3 1

S. No.	Name of the Experiment	D.O.P.	Date of Submission	Grade (Viva)	Grade (Report File)	Total Marks (out of 10)	Student's Signature	Teacher's Signature
1	Study about Lex and Yacc tools.							
2	Design a LEX Code to count the number of lines, space, tab-meta character and rest of characters in a given Input pattern.							
3	Design a LEX Code to identify and print valid Identifier of C in given Input pattern.							
4	Design a LEX Code to identify and print integer and float value in given Input pattern.							
5	Design a LEX Code for Tokenizing (Identify and print OPERATORS, SEPERATORS, KEYWORDS, and IDENTIFIERS) in the given input.							
6	Design a LEX Code to count and print the number of total characters, words, and white spaces in given 'Input.txt' file.							
7	Design a LEX Code to replace white spaces of 'Input.txt' file by a single blank character into 'Output.txt' file.							
8	Design a LEX Code to remove the comments from any C Program given at run time and store into 'out.c' file.							

9	Design a LEX Code to extract all html tags in the given HTML file at run time and store into Text file given at run time.							
10	Design a LEX Code to recognize and print the following tokens: a) string b) keywords c) constantsd) identifiers e) literals							
11	Design a LEX Code to take check whether the given number is even or odd.							
12	Design a LEX Code to count number of vowels and consonants in a given pattern.							
13	Design a LEX Code to check for a valid E-mail Id.							
14	Design a DFA in LEX Code which accepts all possible set of string containing even number of 'a' over input alphabet $\Sigma = \{a, b\}$.							
15	Design a DFA in LEX Code which accepts all possible set of string containing even number of 'a' and even number of 'b' over input alphabet $\Sigma = \{a,b\}$.							
16	Design a DFA in LEX Code to Identify and print Integer, Float Constants and Identifier.							
17	Design a DFA in LEX Code over $\Sigma = \{a, b\}$ which contains set of all possible strings where every string starts with a and ends with b.							
18	Design a DFA in LEX Code over $\Sigma = \{a, b\}$ which contains set of all possible strings where no. of a and no. of b divisible by 3.							
19	Design LEX code to identify and print all the valid IP address in the given string.							
20	Design a LEX Code to identify and list all the hexadecimal no. from input string.							
21	Design a LEX Code to calculate the frequency of letters in a given input string.							
22	Design a LEX Code to reverse the order of each word in the given input string.							