

CS335: Compiler Design
(Programming Assignment)

1 April 2021

1. Write LEX program for each of the following problems:
 - a. To copy content of a file to another file.
 - b. To make the content of a file in sentence case.
 - c. To count total number of tokens
 - d. To count the number of lines, spaces and tabs
 - e. To count number of words
 - f. To count words that are of length less than 10 and greater than 5
 - g. To count the number of vowels and consonants in a given string
 - h. To search for a word in a file.
 - i. To find the length of the longest word
 - j. To count the frequency of the given word in a file
 - k. To Count the Positive numbers, Negative numbers and Fractions
 - l. To Identify and Count Positive and Negative Numbers
 - m. To check whether given number is Armstrong number or not
 - n. To check whether a given number is even or odd
 - o. To check whether a number is Prime or Not
 - p. To check valid Mobile Number
 - q. To check whether an email address is valid or not
 - r. To check whether an IP address is valid or not.
 - s. To add line number to a given file.
 - t. To remove comments from C program.