**Assignment1**

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| **Assignment 1: Lex (NOTE: Lex can be replaced with Flex )**  **Write following Lex Programs (Input can be from “command line as string” or “file”)**   1. To count no of vowels and consonants. 2. To count the length of stringvi 3. To count the type of numbers-- +integer, -ve integer, +ve fraction, -ve fraction 4. To count the no of words, character, and lines. 5. To find if a character apart from alphabets occurs in a string. 6. To identify set of strings having 3 to 5 allphabets. 7. To count number of small letter, capital letter, special symbol in string.  One c file have some code already you have to add line numbers to a given file **9.** implements the Caesar cipher: it replaces every letter with the one three letters after in in alphabetical order, wrapping around at Z. It uses character ranges "[a-z]" and "[A-Z]", which match any lower-case letter and any upper-case letter respectively.  10.finds the longest word (defined as a contiguous string of upper and lower case letters) in the input. Although the range notation "[a-zA-Z]" would match any single letter, tacking on a "+" after it produces a regular expression matching any sequence of one or more letters, as long as possible (i.e. until it sees a non-letter)  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |