## **CS6109 - COMPILER DESIGN – LAB**

## Week 4 – 13.09.2022 (Observations)

1. Write a Lex program to perform the following. a. Reversing each line in a text file Input: HAI hello example qood alpha NUMeric b. Matches one or more alphanumeric characters. Input: alphanumeric aq@ hai123 123HELLO example@2022 #good# 2 В ß c. Matches the string starts with "b" followed by one or two occurrence of "an" and ends with zero or one occurrence of "a". Input: bana banana banaaa bananana banaa ban ba banan

- d.Find the capital letters for a given input string. Input: HelLo GoOD AlphA EXamPlE hAi An
- 2. Write a Lex program to identify the tokens for the given input expression.

a.c = ++a + ++b b.c = a ++ + ++b

## Note:

- Consider the inputs for each program from text file.
- Multiple input files can be considered.