

## COMPILER LAB

### Simple word handling using LEX

1. Write regular definition to display the line of string for the following using LEX
  - a. Matches the string abc
  - b. Match any lowercase or uppercase letter
  - c. Match any string starting with d, and ending with t
  - d. Match one or more occurrences ab concatenated
  - e. Match any string of one or more characters that do not include lower case a-z
  - f. Match any string of one or more digits with an optional prefix of + or -
  
2. Write regular definition to display the line of string for the following using LEX
  - a. Comments consisting of string surrounded by /\* and \*/ without intervening \*/, unless it is inside double-quotes("")
  - b. All strings of lowercase letters that contain the five vowels in order
  - c. All strings of digits with no repeated digits.
  - d. All strings of digits with at most one repeated digit
  - e. All strings of *a*'s and *b*'s with an even number of *a*'s and an odd number of *b*'s
  - f. All strings of *a*'s and *b*'s that do not contain the substring *abb*