

**Computer Engineering Department, SVNIT, Surat**  
**Course: CO304, System Software**  
**Assignment – 6**

1. Write a Lex program to count the number of lines, characters and words of the given input file.
2. Design a scanner to
  - (a) Count number of single and multiple line comments from a C program available in *xyz.txt* file. [Note: You can create any txt file having sample C code which contains single and multiple line comments]
  - (b) Remove comment lines from the C program.
3. Write a Lex program to check valid/invalid
  - (a) Mobile number (considering 10-digit mobile number followed by country code +91)
  - (b) Email address
4. Design a scanner to check whether a number is Armstrong number or not.