

# Department of Computer Science and Engineering,SVNIT Surat

## System Software

### Assignment 8

1. Write a YACC and LEX program to implement a Calculator and recognize a valid arithmetic expression that uses operator +, -, \*, /.
2. Write a YACC and LEX program to check whether given string is palindrome or not.
3. Write a program for implementing given grammar for computing the expression using semantic rules of the YACC tool and LEX.  
Grammar:  $S \rightarrow SS^* \mid SS+ \mid a$
4. Write a YACC and LEX program to accept strings that starts and ends with 0 or 1.