**EXPERIMENT 3 b**

AIM

Implementation of Calculator using LEX and YACC.

ALGORITHM

1. Start
2. Created a lex file with the rules to create tokens.
3. Contains include statements for standard input and output
4. Contains yywrap() function which returns 1 at the end of the input
5. Created a yacc file containing declarations, rule sections and routines.
6. Defined the global variables and the tokens used by the parser.
7. Defines the rule that parse the input stream.
8. Contains subroutines.
9. Main function to call the yyparse() function
10. Call the subroutine yyerror to find the syntax error if any.
11. Stop

OUTPUT

yacc -d 11anaghasethu-p4.y

lex 11anaghasethu-p4.l

gcc lex.yy.c y.tab.c -w

./a.out

Enter Any Arithmetic Expression:

4+7

Result = 11

9\*2

Result = 18

6/2

Result = 3

6-3

Result = 3

4++

Invalid

