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Cycle 2 : Expt 4

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Aim :

To implement a calculator using lex and Yacc.

Algorithm:

1. Step 1 : Start
2. Step 2 : In Yacc file , initialize the variable flag with 0.
3. Step 3 : In the rule section add rule for checking if expressions are valid.
4. Step 4 : LEX file helps to compute the expression given and display its result.
5. Step 5 : If step 3's rule is not followed , call yyerror() which prints not an valid expression. and set flag to 1.
6. Step 6 : In main function , input the expression to be tested and evaluated and parse it.
7. Step 7 : If flag = 0 , print the expression is valid and display result else go to step 5.
8. Step 8 : Stop.

Result :

Output was obtained successfully.