%{

#include <ctype.h>

#include <stdio.h>

#define YYSTYPE double /\* double type for YACC stack \*/

void yyerror(char \*);

int yylex();

%}

%token NUMBER

%%

prog: expr '\n' prog { printf("VALOR %g\n", $1);  }

    | %empty;

expr: expr '+'  term  { $$ = $1 + $3; }

    | expr '-'  term  { $$ = $1 - $3; }

    | term { $$ = $1; };

term: term '\*' NUMBER { $$ = $1 \* $3; }

    | term '/' NUMBER { $$ = $1 / $3; }

    | NUMBER;

%%

void yyerror(char \*mgs)

{

  printf("error: %s",mgs);

}

int yylex()

{ double t;

  int c;

  while ((c = getchar()) == ' ');

  if (c == '.' || isdigit(c)) {

    ungetc(c, stdin);

    scanf("%lf", &t);

    yylval = t; // pasando valor a la pila

    return NUMBER;

  }

  return c;

}

int main()

{

  return yyparse();

}











