expr.y

```
#include <stdio.h>
#include <stdlib.h>
int yylex(void);
왕}
%token NUMBER
%left '+'
%left '*'
용용
input:
    expr '\n' { printf("Result = %d\n", $1); return 0; }
expr:
   expr '+' expr { $$ = $1 + $3; }
  | expr '*' expr { $$ = $1 * $3; }
  NUMBER
                  { $$ = $1; }
응용
int main() {
   printf("Enter expression:\n");
    yyparse();
    return 0;
int yyerror(char *s) {
   printf("Syntax Error: %s\n", s);
    return 0;
```

OUTPUT

```
[cdlab88@localhost evaluate_expression]$ vi expr.1
[cdlab88@localhost evaluate_expression]$ vi expr.y
[cdlab88@localhost evaluate_expression]$ lex expr.1
[cdlab88@localhost evaluate_expression]$ yacc -d expr.y
[cdlab88@localhost evaluate_expression]$ gcc lex.yy.c y.tab.c -o evaluator
[cdlab88@localhost evaluate_expression]$ ./evaluator
Enter expression:
3+3*4
Result = 15
[cdlab88@localhost evaluate_expression]$ ./evaluator
Enter expression:
3*4*2+1
Result = 25
[cdlab88@localhost evaluate_expression]$ [
```