## Compiler Design \_ HW 1 4

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```
#include "y.tab.h"
extern int yylval;
%}
%%
[0-9]+ { yylval = atoi(yytext); return NUMBER; }
            /* ignore white space */
       ;
               /* logical EOF */
\n return 0;
    return yytext[0];
%%
%token NAME NUMBER
statement: NAME '=' expression
       expression { printf("= %d\n", $1); }
expression: expression '+' mulexp { $$ = $1 + $3; }
       expression '-' mulexp { $$ = $1 - $3; }
       mulexp
                      { $$ = $1; }
           mulexp '*' primary { $$ = $1 * $3; }
mulexp:
       mulexp '/' primary { $$ = $1 / $3; }
       primary { $$ = $1; }
    ;
primary: '(' expression ')' { $$ = $2; }
       '-' primary { $$ = - $2; }
       NUMBER \{ \$\$ = \$1; \}
```