Practical 1 program

%{

#include <stdio.h>

%}

%%

"int" | "float" | "if" | "else" { printf("%s\t→ KEYWORD\n", yytext); }

[a-zA-Z\_][a-zA-Z0-9\_]\* { printf("%s\t→ IDENTIFIER\n", yytext); }

[0-9]+ { printf("%s\t→ NUMBER\n", yytext); }

"==" | "=" { printf("%s\t→ ASSIGNMENT\_OP\n", yytext); }

"+" | "-" | "\*" | "/" { printf("%s\t→ OPERATOR\n", yytext); }

"(" { printf("%s\t→ LEFT\_PAREN\n", yytext); }

")" { printf("%s\t→ RIGHT\_PAREN\n", yytext); }

";" { printf("%s\t→ SEMICOLON\n", yytext); }

[ \t\n]+ { /\* ignore whitespace \*/ }

. { printf("%s\t→ UNKNOWN\n", yytext); }

%%

int yywrap() { return 1; }

int main() {

printf("Enter source code (Ctrl+D or Ctrl+Z to finish):\n");

yylex();

return 0;

}