40. Write a LEX program to recognize a word and relational operator. Program :   
 %{

#include <stdio.h>

%}

%%

[ \t\n]+ ; /\* ignore spaces, tabs, newlines \*/

"==" { printf("Relational Operator: ==\n"); }

"!=" { printf("Relational Operator: !=\n"); }

"<=" { printf("Relational Operator: <=\n"); }

">=" { printf("Relational Operator: >=\n"); }

"<" { printf("Relational Operator: <\n"); }

">" { printf("Relational Operator: >\n"); }

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

. { printf("Unknown: %s\n", yytext); }

%%

int main() {

yylex();

return 0;

}

int yywrap() {

return 1;

}

Output : 