%{

#include <stdio.h>

#include <string.h>

char \*keywords[] = {

"auto","break","case","char","const","continue","default","do","double",

"else","enum","extern","float","for","goto","if","int","long",

"register","return","short","signed","sizeof","static","struct","switch",

"typedef","union","unsigned","void","volatile","while"

};

int isKeyword(char \*word) {

for (int i = 0; i < 32; i++)

if (strcmp(word, keywords[i]) == 0)

return 1;

return 0;

}

%}

%%

[a-zA-Z\_][a-zA-Z0-9\_]\* {

if(isKeyword(yytext))

printf("%s : Keyword\n", yytext);

else

printf("%s : Identifier\n", yytext);

}

[ \t\n]+ ; // ignore whitespace

. ; // ignore other chars

%%

int main() {

yylex();

return 0;

}

A screenshot of a computer program

AI-generated content may be incorrect.