%{

#include <stdio.h>

#include <string.h>

int count = 0;

char target[100];

%}

%%

[a-zA-Z0-9]+ {

if (strcmp(yytext, target) == 0) {

count++;

}

}

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

. ; // Ignore any other character

%%

int main(int argc, char \*argv[]) {

if (argc < 2) {

printf("Usage: ./searchWord <input\_file>\n");

return 1;

}

printf("Enter the word to search: ");

scanf("%s", target);

FILE \*file = fopen(argv[1], "r");

if (!file) {

perror("File opening failed");

return 1;

}

yyin = file; // Set the file for Lex to read

yylex();

fclose(file);

printf("The word '%s' occurred %d times.\n", target, count);

return 0;

}