%{

#include <stdio.h>

int macroCount = 0;

int headerCount = 0;

%}

%%

^#define { macroCount++; }

^#include { headerCount++; }

.|\n /\* Ignore other characters \*/

%%

int yywrap()

{

return 1;

}

int main() {

FILE \*input;

char file[50];

printf("enter filename=");

scanf("%s",file);

input=fopen(file,"r");

yyin=input;

yylex();

fclose(input);

printf("Number of macros defined: %d\n", macroCount);

printf("Number of header files included: %d\n", headerCount);

return 0;

}

OUTPUT

