23.Write a LEX program to count the number of Macros defined and header files included in the C program.

%{

int nmacro, nheader;

%}

%%

^#define { nmacro++; }

^#include { nheader++; }

.|\n { }

%%

int yywrap(void) {

return 1;

}

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

yyin = fopen(argv[1], "r");

yylex();

printf("Number of macros defined = %d\n", nmacro);

printf("Number of header files included = %d\n", nheader);

fclose(yyin);

}

OUTPUT

