20. COUNT NUMBER OF MACROS DEFINED AND HEADER FILES INCLUDED IN C

CODE:

%{

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);

}

INPUT SOURCE CODE:

#define PI 3.14

#include<stdio.h>

#include<conio.h>

void main()

{

int a,b,c = 30;

printf("hello");

}

OUTPUT:

C:\Users\prith>cd desktop

C:\Users\prith\Desktop>cd flex

C:\Users\prith\Desktop\FLEX>flex countmacro.l

C:\Users\prith\Desktop\FLEX>gcc lex.yy.c

C:\Users\prith\Desktop\FLEX>a.exe yyin3.c

Number of macros defined = 1

Number of header files included = 2



