## Exp. No. 18

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

```
Program: (count_macro.l)
%{
int nmacro, nheader;
%}
%%
^#define { nmacro++; }
^#include { nheader++; }
.|\langle n \{ \} \rangle|
%%
int yywrap(void) {
return 1;
int main(int argc, char *argv[]) {
yyin = fopen(arqv[1], "r");
yylex();
printf("Number of macros defined = %d \ n", nmacro);
printf("Number of header files included = %d \ n", nheader);
fclose(yyin);
   Input Source Program: (sample.c)
    #define P1 3.14
    #include<stdio.h>
    #include<conio.h>
    void main()
    int a,b,c = 30;
    printf("hello");
```

## ОПРИТ:

```
D:\Slots\Compiler Design>flex Ex3Macros.l

D:\Slots\Compiler Design>gcc lex.yy.c

D:\Slots\Compiler Design>a.exe Ex3Macros.c

Number of macros defined = 1
Number of header files included = 2

D:\Slots\Compiler Design>
```