**Exp. No. 21**

Write a LEX program to print all the constants in the given C source program file.

# **Input Source Program: (sample.c)**

#define P 314

#include<stdio.h> #include<conio.h>

void main()

{

int a,b,c = 30;

printf("hello");

}

**Program: (countconstants.l)**

digit [0-9]

%{

int cons=0;

%}

%%

{digit}+ { cons++; printf("%s is a constant\n", yytext); }

.|\n { }

%%

int yywrap(void) {

return 1; }

int main(void)

{

FILE \*f;

char file[10];

printf("Enter File Name : ");

scanf("%s",file);

f = fopen(file,"r");

yyin = f;

yylex();

printf("Number of Constants : %d\n", cons);

fclose(yyin);

}

