**Exp. No. 21**

Write a LEX program to count the number of comment lines in a given C program and eliminate them and write into another file.

**Program: (comment.l)**

%{

int com=0;

%}

%s COMMENT

%%

"/\*" {BEGIN COMMENT;}

<COMMENT>"\*/" {BEGIN 0; com++;}

<COMMENT>\n {com++;}

<COMMENT>. {;}

\/\/.\* {; com++;}

.|\n {fprintf(yyout,"%s",yytext);}

%%

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

{

if(argc!=3)

{

printf("usage : a.exe input.c output.c\n");

exit(0);

}

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

yyout=fopen(argv[2],"w");

yylex();

printf("\n number of comments are = %d\n",com);

}

int yywrap()

{

return 1;

}

# **Input Source File: (input.c)**

#include<stdio.h>

int main()

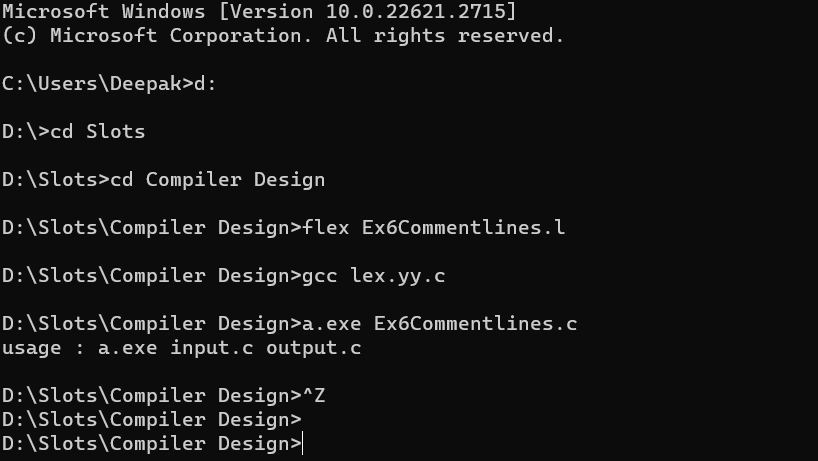
{

int a,b,c; /\*varible declaration\*/ printf(“enter two numbers”); scanf(“%d %d”,&a,&b); c=a+b;//adding two numbers printf(“sum is %d”,c);

return 0;

}

**OUTPUT:**

****