23. COUNT NUMBER OF COMMENT LINES

CODE:

%{

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 CODE:

#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:

C:\Users\prith>cd desktop

C:\Users\prith\Desktop>cd flex

C:\Users\prith\Desktop\FLEX>flex comment\_lines.l

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

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

usage : a.exe input.c output.c

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

number of comments are = 2



