

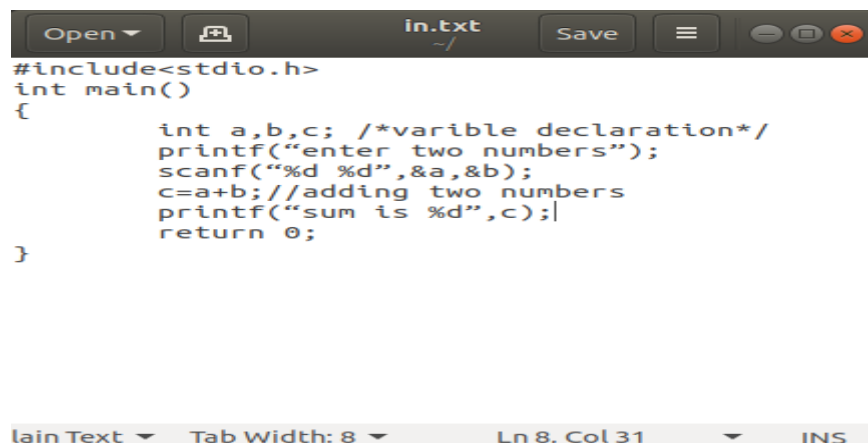
PRACTICAL-9

AIM : Write a lex program to count the number of comment in the given c program. Also eliminate the comment and copy it in separate file.

CODE :

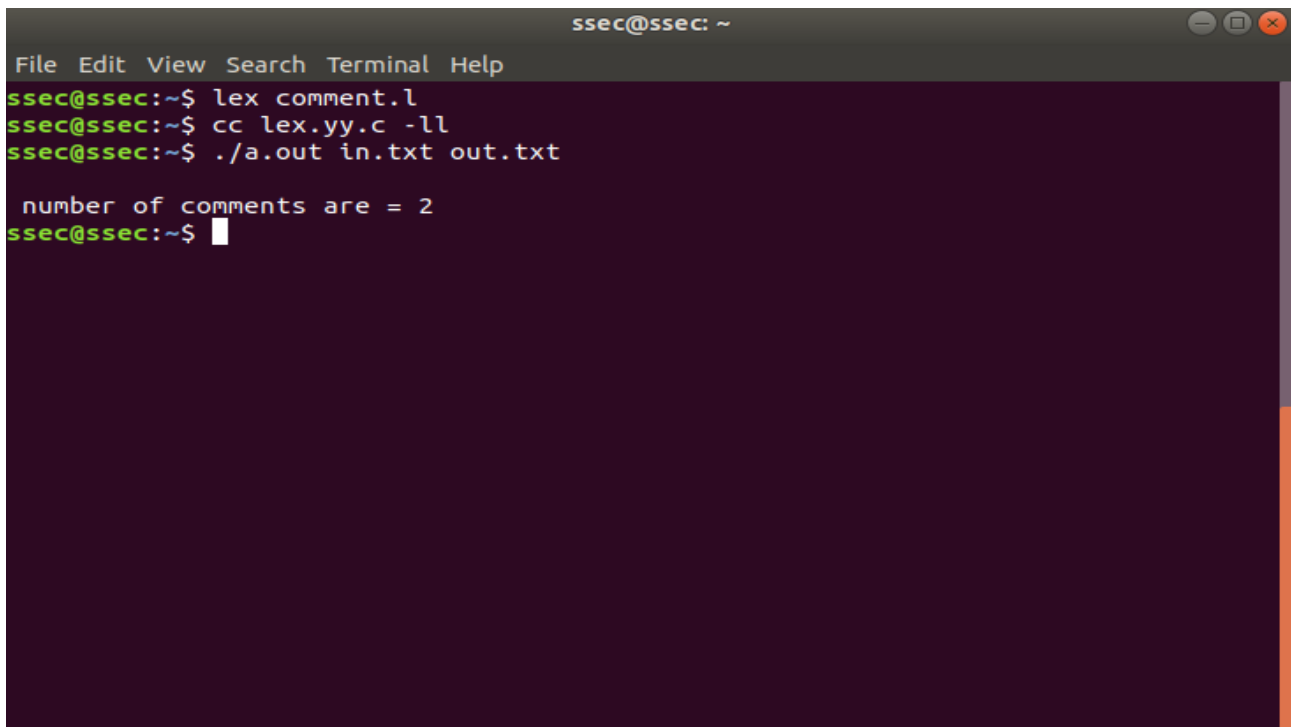
```
//comment.l
%{#include<stdio.h>
int com=0;
%}
%s COMMENT
%%
"/*" {BEGIN COMMENT;}
<COMMENT>"*/" {BEGIN 0;com++;}
<COMMENT>\n {com++;}
<COMMENT>. {;}
\\.* {; com++;}
.\n {fprintf(yyout,"%s",yytext);}
%%
void main(int argc, char *argv[])
{
if(argc!=3)
{
printf("usage : ./a.out in.txt out.txt\n");
exit(0);
}
yyin=fopen(argv[1],"r");
yyout=fopen(argv[2],"w");
yylex();
printf("\n number of comments are = %d\n",com);
}
int yywrap()
{
return 1;
}
```

//in.txt



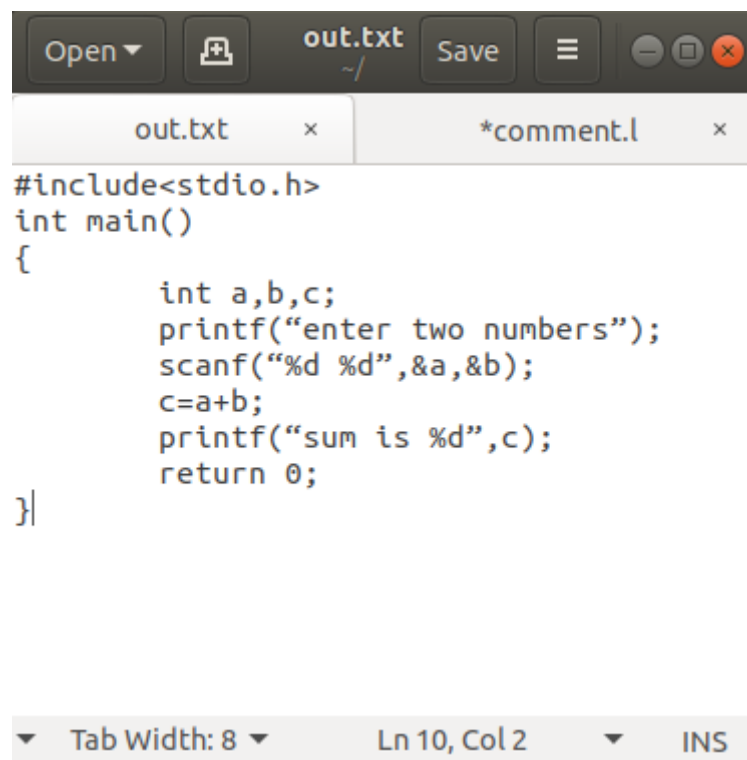
```
#include<stdio.h>
int main()
{
    int a,b,c; /*variable declaration*/
    printf("enter two numbers");
    scanf("%d %d",&a,&b);
    c=a+b; //adding two numbers
    printf("sum is %d",c);
    return 0;
}
```

lain Text ▾ Tab Width: 8 ▾ Ln 8, Col 31 ▾ INS

OUTPUT :

```
ssec@ssec: ~  
File Edit View Search Terminal Help  
ssec@ssec:~$ lex comment.l  
ssec@ssec:~$ cc lex.yy.c -ll  
ssec@ssec:~$ ./a.out in.txt out.txt  
  
number of comments are = 2  
ssec@ssec:~$
```

//out.txt



```
Open out.txt Save  
out.txt x *comment.l x  
#include<stdio.h>  
int main()  
{  
    int a,b,c;  
    printf("enter two numbers");  
    scanf("%d %d",&a,&b);  
    c=a+b;  
    printf("sum is %d",c);  
    return 0;  
}  
Tab Width: 8 Ln 10, Col 2 INS
```