







## sscd finalaa

1.a) Create an input text file in few lines which describes about your aim in life and develop a LEX program to count the number of characters, words, spaces & no. of lines in the input file.

```
%{
#include<stdio.h>
int wc=0,uc=0,sc=0,lc=0,tc=0,splc=0,dc=0,lnc=0;
}%
%%
[\n] {lnc++;wc++;}
['\t'] {sc++;wc++;}
[A-Z] {uc++;}
[a-z] {lc++;}
[0-9] {dc++;}
. {splc++;}
%%
int main()
{
FILE *fp;
char filenm[20];
printf("\n Enter text File name:");
scanf("%s",filenm);
fp=fopen(filenm,"r");
if(fp==NULL)
printf("\nError in opening !!");
else
{
yyin=fp;
yylex();
printf("\n num of words = %d\n",wc);
printf("\n num of space count=%d\n",sc);
printf("\n num of uppercase = %d\n",uc);
printf("\n num of lowercase = %d\n",lc);
printf("\n num of spl char =%d\n",splc);
printf("\n num of digit count =%d\n",dc);
printf("\n num of line count =%d\n",lnc);
tc=uc+lc+sc+splc+dc;
printf("\n total num of chars =%d\n",tc);
}
}
```

1b) Create an input file which consists of a C program to find the area of a circle with comment lines and develop a LEX program to count the number of comment lines in the input file and also eliminate them and copy that program into separate file.

```
%{
#include<stdio.h>
int fl=0,c=0,fla=0;
}%
%%
```

