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EXPERIEMENT NO : 07 (GROUP – B)

TITLE **:** Write a program using Lex specifications to implement lexical analysis phase of compiler to count no. of words, lines and characters of given input file

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CLASS **:** TE COMPUTER **DATE** **:** 04/01/2018

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//Input File To Given Program//

```
WELCOME TO
PVGCOE,NASHIK GOOD
MORNING GUYS
Hi Friends
```

//Main Program//

```
%{
int ch=0, bl=0, ln=0, wr=0;
%}

%%
[\n] {ln++;wr++;}
[\t] {bl++;wr++;}
[" "] {bl++;wr++;}
[^\n\t] {ch++;}
%%
int main()
System Programing &Operating System Lab

{
FILE *fp=fopen("pvg.txt","r"); char
file[10];
printf("\nEnterthefilename:");
```

```
yyin=fp;
yylex();
printf("\nTotal No. of Characters are=%d\nTotal No. of Blank Spaces=%d\nTotal No. of Lines=%d\nTotal No. of Words=%d\n",ch,bl,ln,wr);
return 0;
}
```

//output//

```
sl166@sl243-HP-Compaq-4000-Pro-SFF-PC:~$ vi a.l sl166@sl243-HP-Compaq-4000-Pro-SFF-PC:~$ lex a.l sl166@sl243-HP-Compaq-4000-Pro-SFF-PC:~$ gcc lex.yy.c -ll sl166@sl243-HP-Compaq-4000-Pro-SFF-PC:~$ ./a.out
Enter the filename:
Total No. of Characters are=46 Total No. of Blank Spaces=5 Total No. of Lines=3
Total No. of Words=8
```