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**Department of Computer Engineers**



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LEX

## LEX program to count the number of characters, words, spaces and lines

# LEX Program to read number of chars/words/lines

Q. Write a program using LEX to count the number of characters, words, spaces and lines in a given input file.

**Source Code->** {provided file should present in that directory or create it}

```
%{  
int ch=0, bl=0, ln=0, wr=0;  
%}  
%%  
[\n] {ln++;wr++;}  
[\t] {bl++;wr++;}  
[" "] {bl++;wr++;}  
[^\\n\\t] {ch++;}  
%%  
int main()
```

```
{  
FILE *fp;  
char file[10];  
printf("Enter the filename: ");  
scanf("%s", file);  
yyin=fp;  
yylex();  
printf("Character=%d\nBlank=%d\nLines=%d\nWords=%d", ch, bl, ln, wr);  
return 0;  
}
```

**Output ->**

```
$cat > input  
Girish rao salanke
```

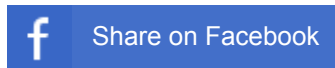
```
$lex p1a.l
```

```
$cc lex.yy.c -ll
```

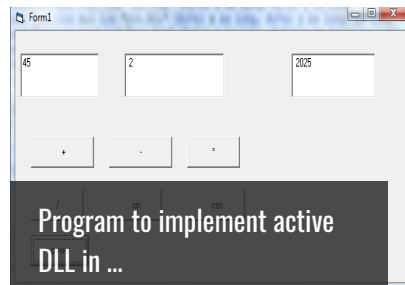
```
$/a.out
```

```
Enter the filename: input  
Character=16  
Blank=2
```

Lines=1  
Word=3



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**Avnish Bhardwaj** 6 months ago · Shared publicly

White spaces not working properly or not counting words in same line after space

+1

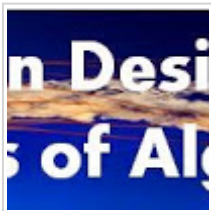
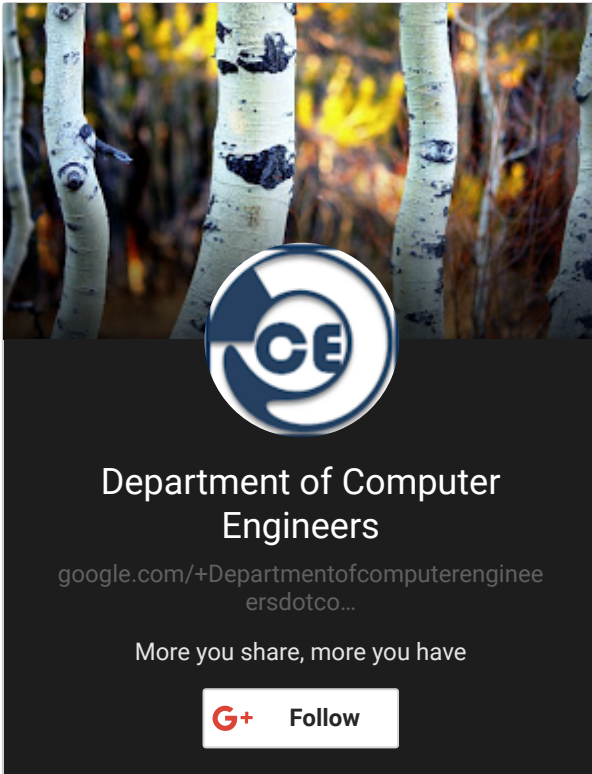


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### Design & Analysis of Algorithms - 88 MCQs with answers - Part 1

Multiple Choice Questions in Design and Analysis of Algorithms with Answers 1. There are \_\_\_\_\_ steps to solve the problem ...



### LEX program to recognize and count number of identifiers in a input file

Q. Write a program using LEX to recognize and count the number of identifiers in a given input file. Source Code:-> %{...



#### LEX program to count the number of characters, words, spaces and lines

Q. Write a program using LEX to count the number of characters, words, spaces and lines in a given input file. Source Code->...



#### LEX program to count the numbers of comment lines in a given C program

Q. Write a LEX program to count the numbers of comment lines in a given C program. Also eliminate them and copy the resulting progra...



#### LEX program to recognize a valid arithmetic expression

Q. Write a program using LEX to recognize a valid arithmetic expression and to recognize the identifiers and operators present...



#### LEX program to recognize whether a given sentence is simple or compound.

Q. Write a program using LEX to recognize whether a given sentence is simple or compound. Source Code-> %{ int flag...



#### C program for interprocess communication using pipe system call

Question: Write an interprocess communication program using unnamed pipe. Process A accepts a character string and Process B inver...

C program to create a child process by fork() and print getpid() & getppid()



Q. Write a C program to do the following: Using fork( ) create a child process. The child process prints its own process-id ...



**YACC program that accepts a regular expression as input and produce its parse tree as output**

Q. Write a yacc program that accepts a regular expression as input and produce its parse tree as output. Source Code:->...



**Find out IP address of remotely located machine/system in Java environment**

Q. Write a program to find out ip address of remote computer. Source Code:-> `import java.net.*; class Inet1 {...`

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## Design & Analysis of Algorithms - 88 MCQs with answers - Part 1

Multiple Choice Questions in Design and Analysis of Algorithms with Answers 1. There are \_\_\_\_\_ steps to solve the problem ...



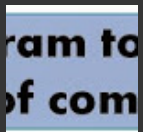
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### simple or compound.

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c program for interprocess communication using pipes

c program for knapsack with greedy

c program for nqueen puzzle

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create child process

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infinity loop in c programs

inter process communication c

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junit library

knapsack algorithm

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main within main function

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