S.No: 35	Exp. Name: *Write a C program to Count number of Characters, Words and Lines of a given File*	Date:2023-05-03

Aim:

Write a program to count number of **characters**, **words** and **lines** of given text file.
- open a new file " DemoTextFile2.txt " in write mode
- write the content onto the file
- close the file
- open the same file in read mode
- read the text from file and find the characters, words and lines count
- print the counts of characters, words and lines
- close the file

Source Code:

countCharWordLines.c

```c
#include<stdio.h>
void main()
{
    FILE *fp;char ch;
    fp=fopen("DemoTextFile2.txt","w");
    printf("Enter the text with @ at end : ");
    while((ch=getchar())!='@')
    {
        putc(ch,fp);

    }
    putc(ch,fp);
    fclose(fp);
    int i=0,j=1,k=1;
    fp=fopen("DemoTextFile2.txt","r");
    while((ch=fgetc(fp))!='@')
    {
        if(ch=='\n')
        {
            j++;k++;

        }
        else if(ch==' ')
        {
            j++;

        }
        else
        {
            i++;

        }

    }
    printf("Total characters : %d\n",i);
     printf("Total words : %d\n",j);
```

2022-2026-CSE-A

Srinivasa Ramanujan Institute of Technology

```
        printf("Total lines : %d\n",k);
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the text with @ at end : Arise! Awake!
and stop not until
the goal is reached@
Total characters : 43
Total words : 10
Total lines : 3

Test Case - 2
User Output
Enter the text with @ at end : All power is with in you
you can do anything
and everything@
Total characters : 48
Total words : 12
Total lines : 3