

```

/// Write a program to Implement the functionality of linux WC
command /////
/////Program:
// -----

#include<stdio.h>
int main(int argc,char* argv[])
{
    if(argc!=2)
    {
        printf("Usage: ./a.out filename:\n");
        return 0;
    }
    FILE* fs;
    char ch,ch1=0;
    unsigned char line_count=0,word_count=0,char_count=0;
    fs=fopen(argv[1],"r");

    while((ch=fgetc(fs))!=-1)
        char_count++;
    rewind(fs);
    while((ch= fgetc(fs))!=EOF)
    {
        if(ch=='\n')
            line_count++;
    }
    rewind(fs);
    while((ch=fgetc(fs))!=EOF)
    {
        if((ch==' ')||(ch=='\n')||(ch=='\t')||(ch=='\r'))
        {
            if(ch!=ch1)
                word_count++;
            ch1=ch;
        }
    }
    printf("line_count=%d\n",line_count);
    printf("word_count=%d\n",word_count);
    printf("Char_count=%d\n",char_count);
    printf("WC : %d %d\n",line_count,word_count,char_count);
    fclose(fs);
}

/* Output:
* -----
$: ./a.out filename
   line_count  word_count  char_count
Ex: 7         4         37
-----END-----
*/

```