

# Solution Code



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/* C Program to Count Number of Words in a string */

#include<stdio.h>
#define FALSE 0
#define TRUE 1
int main(){
    int wc=0,flag =FALSE,i=0;
    char str[30];
    printf("\nEnter a string :: ");
    gets(str);
    while (str[i]!='\0') {
        // If next character is a separator, set the flag to false
        if (str[i] == ' ' || str[i] == '\n' || str[i] == '\t')
            flag = FALSE;
        /* If next character is not a separator and flag is false,
        then set the flag as TRUE and increment word count */
        else if (flag == FALSE) {
            flag = TRUE;
            ++wc;
        }
        // increment i for moving the curser to next character
        ++i;
    }
    printf("\nNo. of words in string [ %s ] is: [ %d ]\n",str,wc);
    return 0;
}
```