



**S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT &
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**DEPARTMENT OF FIRST YEAR ENGINEERING
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**PROJECT REPORT
On
“Word Count Tool”**

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Introduction (Project Details):

This report is an introduction to the word count project in c programming. Anybody who doesn't know even the basic count in c programming. will certainly be able to understand and gain great knowledge from this report. The core theme of the report focuses on the development of Word count project in C language.

What is word count in programming?

A word count is a numerical count of the number of words in a document, file, or string of text. Below are different methods on how to get a word count on a computer. Word count example. Getting a word count in a program.

How to count words in C programming?

C Program to Count Number of Words in a String

- 1). Take a string as input.
- 2). Using a for loop search for an empty space in between the words in the string.
- 3). Consecutively increment a variable. This variable gives the count of number of words.

Major Library Functions:

1] `stdio.h`:

- `printf()`: Used for displaying output messages and formatted data to the console.
- `scanf()`: Used for reading input from the user, allowing them to enter the string.
- `printf()`: Used for formatting strings, particularly for constructing formatted output strings.

2] `string.h`:

- `strlen()`: Used for obtaining the length of a string, particularly for validating input or determining the length of the name string.

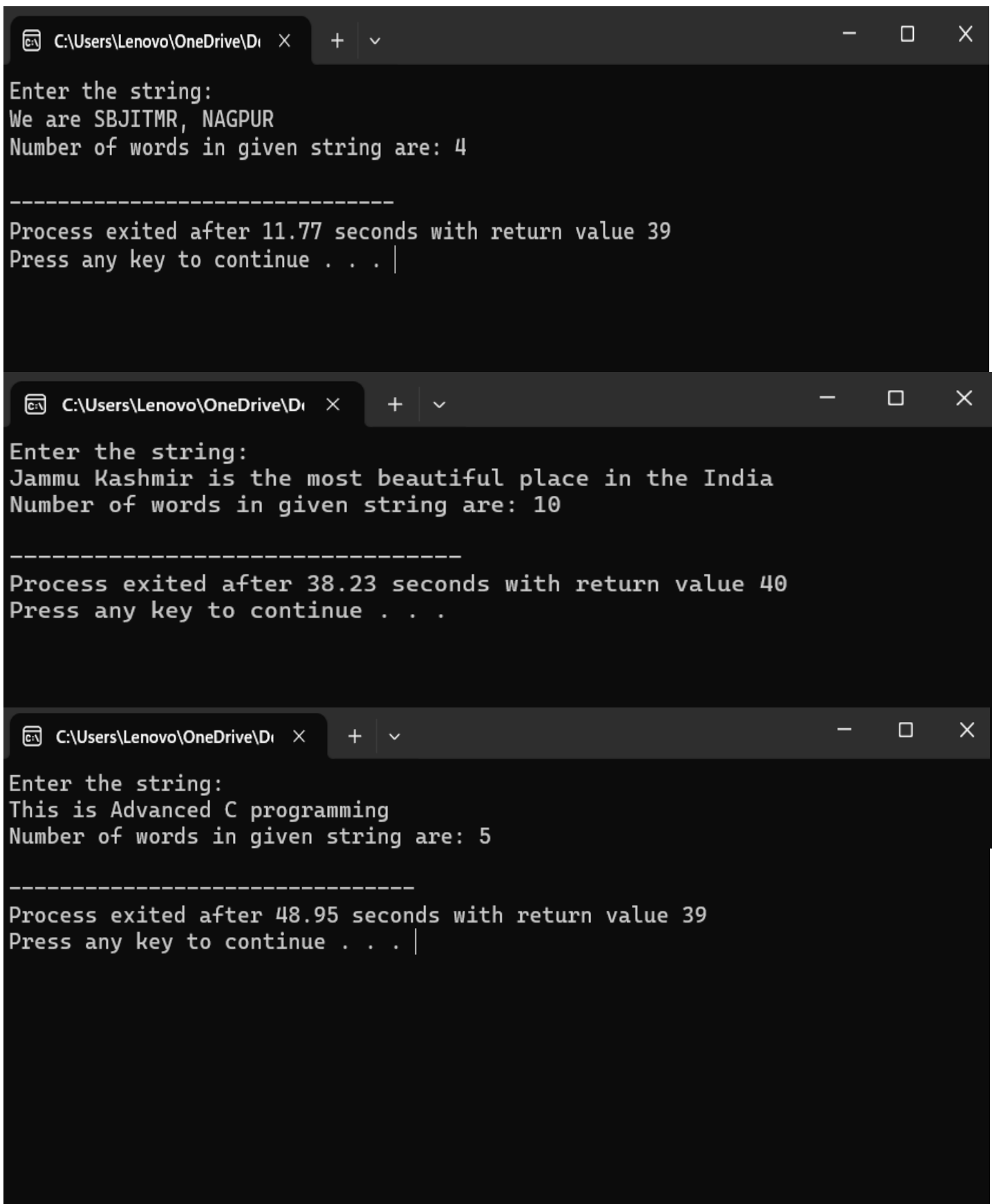
Source Code (Program):

```
#include <stdio.h>
#include <string.h>

void main()
{
    char s[200];
    int count = 0, i;

    printf("Enter the string:\n");
    scanf("%[^\\n]s", s);
    for (i = 0; s[i] != '\\0'; i++)
    {
        if (s[i] == ' ' && s[i+1] != ' ')
        {
            count++;
        }
    }
    printf("Number of words in given string are: %d\\n", count+1);
}
```

Result & (Output):



The image displays three sequential screenshots of a Windows command prompt window. Each window has a title bar with the path 'C:\Users\Lenovo\OneDrive\Di' and standard minimize, maximize, and close buttons. The first screenshot shows the input 'We are SBJITMR, NAGPUR' and the output 'Number of words in given string are: 4'. The second screenshot shows the input 'Jammu Kashmir is the most beautiful place in the India' and the output 'Number of words in given string are: 10'. The third screenshot shows the input 'This is Advanced C programming' and the output 'Number of words in given string are: 5'. Each screenshot also includes a separator line and a status message: 'Process exited after 11.77 seconds with return value 39' for the first, 'Process exited after 38.23 seconds with return value 40' for the second, and 'Process exited after 48.95 seconds with return value 39' for the third. All three prompts end with 'Press any key to continue . . . |'.

```
C:\Users\Lenovo\OneDrive\Di > Enter the string:
We are SBJITMR, NAGPUR
Number of words in given string are: 4

-----
Process exited after 11.77 seconds with return value 39
Press any key to continue . . . |

C:\Users\Lenovo\OneDrive\Di > Enter the string:
Jammu Kashmir is the most beautiful place in the India
Number of words in given string are: 10

-----
Process exited after 38.23 seconds with return value 40
Press any key to continue . . .

C:\Users\Lenovo\OneDrive\Di > Enter the string:
This is Advanced C programming
Number of words in given string are: 5

-----
Process exited after 48.95 seconds with return value 39
Press any key to continue . . . |
```

Conclusion:

In conclusion, Word Counter Essay is an indispensable tool for writers and professionals across various industries. By providing an accurate word count, it enhances productivity while enabling adherence to specific requirements.

The word count tool is a vital resource for writers, students, and professionals alike, providing a convenient way to gauge the length of their text. By analyzing the number of words in a document, users can ensure they meet specific requirements, such as adhering to word limits for essays, articles, or reports. Additionally, it aids in maintaining readability and conciseness, as writers can track their progress and identify areas for improvement. Overall, the word count tool streamlines the writing process, enhancing efficiency and productivity.

References:

1. www.Google.com
2. <https://www.geeksforgeeks.org/>
3. <https://www.studytonight.com>

