

**Programming Fundamentals**

**SECTION-A**

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| GRADED LAB-01 | |
| **Topic** | Filing |
| **Objective** | * Reading and writing data from a text file and performing operation on it. |

**Task-01:** Write a C++ program which initializes an array (of character type or string). Read a complete line at once from a text file **“input.txt”** which has a following sentence in it in your array (Do not read data word by word but read a complete sentence from file till it reaches the newline character or null character):

**"Hello   this            is  your   question 1 and this sentence  holds    multiple spaces                      by mistake."**

The sentence holds multiple spaces in it by mistake. Now, your task is to count the number of words in the sentence and write it in a new file say **“**output.txt**”.**Your program should be generic and for any type of input.

NOTE: The output in file should be same as below:

**SAMPLE OUTPUT:**

**Output.txt**

The number of words in sentence 'Hello this is your question 1 and this sentence holds multiple spaces by mistake.' are : 14