

**Programming Fundamentals**

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| GRADED LAB-02 | |
| **Topic** | File handling |
| **Objective** | * Reading textual data from file and process it to get only useful data |

**SECTION-A**

**Task No: 01**

Write a C++ program which reads multiple lines of text from a file. Read the data line by line and pass each individual line to a function named “**FindSpcChr()**” along with an another array of character type as parameter which contains a message “**Line not found**”. The function **FindSpcChr** () which takes two parameters will decide wether a line starts with a **special character** OR not **and** Returns this line back to main function (From where it was called) if line starts with a special character(**i.e. !, %, &, # etc. occurs at start of line**) and displays it on console screen. If the line does not starts with special character return the array with message “**line not found**” and display it on screen accordingly.

**NOTE:** *Your program should be generic enough to work on any number of lines. Do not hardcode, use logical operators where needed.*

**SAMPLE OUTPUT**

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| **Input.txt** |
| ~Hello Hi there  whatsup  #we hope you are enjoying your graded lab  `And we are pretty sure you'll be able to do it  ^+So, get started and put your 100%  The solutions are not as tough as you may think they are  &You can do it and score full marks only if you know how to stay calm and break the problem  $Also paper and pen can help to make logics and flow  \*Let the countdown begin  -> 1 2 3 4 5  !LETS GO!  \*YOU DID IT\* |
| **Output (**Consol**)** |
| ~Hello Hi there  Line not found  #we hope you are enjoying your graded lab  `And we are pretty sure you'll be able to do it  ^+So, get started and put your 100%  Line not found  &You can do it and score full marks only if you know how to stay calm and break the problem  $Also paper and pen can help to make logics and flow  \*Let the countdown begin  -> 1 2 3 4 5  !LETS GO!  \*YOU DID IT\*  Number of lines with special characters are: 10 |