Online 3 : String

**Date: 23/12/2020**

**Instruction:**

1. Avoid plagiarism. If you are found to adopt any unfair means you will get a straight 0.
2. Upload your code (only the c file) in elms.

**Task:**

1. Take a string as input (the string may contain space(s))
2. Print the string
3. Count the print number of lower case alphabetic chararcters in that string (‘a’ to ‘z’) in that string
4. Verify if the string ends with a alphabetic chararcter (‘a’ to ‘z’ and ‘A’ to ‘Z’) or not
5. Verify if the string is a valid password or not  
   A valid password should meet the following criteria:

* It should be atleast 8 characters long
* It should contain atleast one upper case character (‘A’ to ‘Z’)
* It should contain atleast one numeric character (‘0’ to ‘9’)
* It should contain atleast one special character (‘#’, ‘@’, ‘$’, ‘%’, ‘^’, ‘&’, ‘+’, ‘-’, ‘\*’, ‘/’, ‘.’ and space ‘ ‘)

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| **Sample input** | **Sample output** |
| rhddPi3 | rhddPi3  5  Ends with numeric character  Not a valid password |
| rhddPi | rhddPi  5  Does not end with numric character  Not a valid password |
| rhd$dPi3 | rhd$dPi3  5  Ends with numeric character  Valid password |