Problem Statement:

The goal of this program is to display the strength of a password of the user’s choice based on the following conditions.

(1)The string length should be minimum 7 and maximum 32.(2 points)

(2)The password should have at least 1 special character,1 digit, and both lowercase and uppercase characters.(4 points, one for each case)

(3)The password should not have more than 3 consecutive digits or alphabets. For example, a substring 1234 or abcd makes the password weaker.(2 points)

The program gives the password strength as a score with a max value of 8. If any one of the above conditions are not satisfied in the password, points should be deducted accordingly.

The program should also give the user an idea of how to increase the password strength. For example, if the input password has no special character or digits, the output should have “Need special characters and digits”.

Sample Input-Output:

1. Input: CrazyBoy123

Output:5

Need special characters.

Remove consecutive set of numbers/alphabets.

(The input does not contain a special character and there is a consecutive sequence of 3 numbers. Hence, we deduct 1 and 2 points respectively).

1. Input: pas$worD

Output: 7

Need digits.