

Question

Take password as input from the user, and determine if the password follows the rules as per the policy. The password policy is as follows.

1. Should be minimum of 8 characters
2. Should be a mix of numbers and alphabets.
3. Alphabets should be a mix of lowercase and uppercase
4. Should contain at least one of the below special characters only, which are:
 - a. ? (question mark)
 - b. , (comma)
 - c. . (dot)
 - d. # (hash)
 - e. \$ (dollar symbol)
 - f. * (asterix)
 - g. _ (underscore)
5. Should not start with an alphabet.

Time

Approx. 25 mins

Constraints

The implementation should not use regular expressions.

Output

The program should print Allowed, if password follows all policy, and Not Allowed, along with reason if it does not follow all policy. The program should check the policy violations in the order specified in the question, and should exit the program, and with the reason for which violation was found.

Test Cases

1. 1?rtYu\$A - Allowed
2. \$qwerty - Not Allowed | Minimum length not followed
3. \$qwerty - Not Allowed | Does not contain any number
4. \$qwerty4 - Not Allowed | Does not contain mix of lowercase and uppercase alphabets
5. %qwerTY4 - Not Allowed | Special character not allowed
6. Alp2#tyu - Not Allowed | Should not start with an alphabet
7. ####1aAbB - Allowed