WRITE UP

Password Manager

Password Manager is used to manage password by setting new password if the last password security level is weaker than the new password

Security Level:

level 0 - password consists of alphabets or numbers only.

level 1 - Alphanumeric passwords.

    level 2 - Alphanumeric passwords with special characters.

Python Library Used:

Regex (re) : For finding the level of a password

Program Contain two class :

**Base Password Manager** class:

**old passwords**: is a list that holds all the user's past

                           passwords.

                           The last item of the list is the user's current password.

**get\_password** method that returns the current password as a string.

**Is\_correct** method that receives a string and returns a Boolean

True or False depending on whether the string is equal to the current password or not.

**Password Manager** Class:

This class inherit base password class

And it has the method like

**Set\_password**: this method is used to update new password if the password level is greater then the previous password

**get\_level**: this method is used to find the security level of a password

it uses regex to find whether the new password contain only numeric character or only alpha character or all alphanumeric character or all alphanumeric character and special character like (! @#$%^&\*()\_+-=[]{};':"|,.<>?)