class BasePasswordManager(object):  
 old\_passwords = ["Simplilearn"] *# a list that holds all of the user's past passwords  
 # returns the current password as a string* def get\_password(self):  
 return self.old\_passwords[-1]  
  
 def is\_correct(self, password): *# receives a string and returns a boolean True or False* return self.get\_password() == password *# depending on whether the string is equal to the current password or not.*class PasswordManager(BasePasswordManager): *# sets the user's password only if Security level of the new password is greater  
 # and length of new password is minimum* def set\_password(self, new\_password):  
 if self.get\_level() < self.get\_level(new\_password) and len(new\_password) >= 6:  
 self.old\_passwords.append(new\_password)  
 print("Password changed Successfully.")  
 else:  
 print("Password can't be changed.")  
  
 def get\_level(self, password = None): *# returns the security level of the current password.* if password == None:  
 password = self.get\_password()  
  
 if password.isalpha() or password.isnumeric():  
 level = 0  
 elif password.isalnum():  
 level = 1  
 else:  
 level = 2  
 return level  
  
  
Pass= BasePasswordManager()  
new\_pass = input("Enter new Password: ")  
print(f"Is current password same as a new password: {Pass.is\_correct(new\_pass)}")  
  
mange= PasswordManager()  
mange.set\_password(new\_pass)  
print(f"Security Level of Password: {mange.get\_level()}")