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Password Strength Checker

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import string

import getpass

def check\_password\_strength():

password = getpass.getpass('Enter the password: ')

strength = 0

remarks = ''

lower\_count = upper\_count = num\_count = wspace\_count = special\_count = 0

for char in list(password):

if char in string.ascii\_lowercase:

lower\_count += 1

elif char in string.ascii\_uppercase:

upper\_count += 1

elif char in string.digits:

num\_count += 1

elif char == ' ':

wspace\_count += 1

else:

special\_count += 1

if lower\_count >= 1:

strength += 1

if upper\_count >= 1:

strength += 1

if num\_count >= 1:

strength += 1

if wspace\_count >= 1:

strength += 1

if special\_count >= 1:

strength += 1

if strength == 1:

remarks = ('That\'s a very bad password.'

' Change it as soon as possible.')

elif strength == 2:

remarks = ('That\'s a weak password.'

' You should consider using a tougher password.')

elif strength == 3:

remarks = 'Your password is okay, but it can be improved.'

elif strength == 4:

remarks = ('Your password is hard to guess.'

' But you could make it even more secure.')

elif strength == 5:

remarks = ('Now that\'s one hell of a strong password!!!'

' Hackers don\'t have a chance guessing that password!')

print('Your password has:-')

print(f'{lower\_count} lowercase letters')

print(f'{upper\_count} uppercase letters')

print(f'{num\_count} digits')

print(f'{wspace\_count} whitespaces')

print(f'{special\_count} special characters')

print(f'Password Score: {strength / 5}')

print(f'Remarks: {remarks}')

def check\_pwd(another\_pw=False):

valid = False

if another\_pw:

choice = input(

'Do you want to check another password\'s strength (y/n) : ')

else:

choice = input(

'Do you want to check your password\'s strength (y/n) : ')

while not valid:

if choice.lower() == 'y':

return True

elif choice.lower() == 'n':

print('Exiting...')

return False

else:

print('Invalid input...please try again. \n')

if \_name\_ == '\_main\_':

print('===== Welcome to Password Strength Checker =====')

check\_pw = check\_pwd()

while check\_pw:

check\_password\_strength()

check\_pw = check\_pwd(True)