print("----Welcome to password strength checker----")

import getpass

while(1):

choice=input("Do you want to check your password strength:")

strength=0

lowercount,uppercount,digit\_count,white\_space\_count,special\_character\_count=0,0,0,0,0

digit='0123456789'

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

password=getpass.getpass("Enter your password:")

for char in password:

if char.isupper():

uppercount+=1

elif char.islower():

lowercount+=1

elif char in digit:

digit\_count+=1

elif char==' ':

white\_space\_count+=1

else:

special\_character\_count+=1

if uppercount>=1:

strength+=1

if lowercount>=1:

strength+=1

if digit\_count>=1:

strength+=1

if white\_space\_count>=1:

strength+=1

if special\_character\_count>=1:

strength+=1

print("Your password has:")

print(f'{uppercount} uppercaseletters')

print(f'{lowercount} lowercaseletters')

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

print(f'{white\_space\_count} whitespaces')

print(f'{special\_character\_count} special character count')

if strength==1:

print("Your password is bad...change it immediately")

elif strength==2:

print("Your password is weaker...consider a toughest password")

elif strength==3:

print("Your password is okay, but it can be improved.")

elif strength==4:

print("Your password is hard to guess. But you could make it even more secure.")

elif strength==5:

print("Now that\'s one hell of a strong password!!!' Hackers don\'t have a chance guessing that password!")

elif choice.lower()=='no':

print('Exit')

else:

print("Invalid")