password = input("Please enter a password: ")

# Assign variables to count the occurrences of each criteria

uppercase = 0

lowercase = 0

number = 0

special\_character = 0

total = 0

# Define strings of characters for uppercase, lowercase, numbers, and special characters

uppercase\_characters = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"

lowercase\_characters = "abcdefghijklmnopqrstuvwxyz"

numbers = "0123456789"

special\_characters = "!@#$%^&\*"

# Check the length of the password

if len(password) >= 8:

    for char in password:

        # Check for uppercase

        if char in uppercase\_characters:

            uppercase = 1

        # Check for lowercase

        elif char in lowercase\_characters:

            lowercase = 1

        # Check for numbers

        elif char in numbers:

            number = 1

        # Check for special characters

        elif char in special\_characters:

            special\_character = 1

else:

    total = -1

    print("Enter atleast 8 character")

# Calculate the total number of criteria met

# print(uppercase, lowercase, number, special\_character)

total = total + uppercase + lowercase + number + special\_character

# Determine the password's strength based on the number of criteria met

# print(total)

if total >= 0:

    if total == 4:

        strength = "Strong"

    elif total == 3:

        strength = "Moderate"

    elif total == 1 or total == 2:

        strength = "Weak"

    else:

        print("Password does not match with the criteria")

        strength = "Not Eligible"

    # Display the password's strength to the user

    print(f"The password strength is: {strength}")