

## #PYTHON CODE OF PASSWORD STRENGTH CHECKER

```
def check_password_strength_easy(password):

    print("---- Password Strength Report ---")
    is_strong = True # Start by assuming it's strong

    # 1. Check Length
    if len(password) < 8:
        print(" FAILED: Password must be at least 8 characters long.")
        is_strong = False
    else:
        print("PASS: Length requirement met (8+ characters).")

    # 2. Check for Uppercase
    found_upper = False

    for char in password:
        if char.isupper():
            found_upper = True
            break
    if not found_upper:
        print("FAILED: Password must contain at least one uppercase letter.")
        is_strong = False
    else:
        print("PASS: Uppercase requirement met.")

    # 3. Check for Lowercase
    found_lower = False
    for char in password:
        if char.islower():
            found_lower = True
            break
    if not found_lower:
        print("FAILED: Password must contain at least one lowercase letter.")
        is_strong = False
    else:
        print("PASS: Lowercase requirement met.")
```

```
# 4. Check for Digits
digits=[1,2,3,4,5,6,7,8,9]
found_digit=False
for char in password:
    if '0' <= char <= '9':
        found_digit=True
        break
if not found_digit:
    print("FAILED: Password must contain at least one digit.")
    is_strong = False
else:
    print("PASS: Digit requirement met.")

# 5. Check for special character
special_character=['!', '@', '#', '$', '%', '^', '&', '*']
found_special=False
for char in password:
    if char in special_character:
        found_special=True
        break
if not found_special:
    print("FAILED: Password must contain at least one special
character.")
    is_strong = False
else:
    print("PASS: Special character requirement met.")

print("-----")

if is_strong:
    print("Overall Status: STRONG Password!")
else:
    print("Overall Status: WEAK Password. Please improve it.")

password = input("Enter your password to check its strength: ")
check_password_strength_easy(password)
```

## #Example 1

```
Enter your password to check its strength: Example
--- Password Strength Report ---
FAILED: Password must be at least 8 characters long.
PASS: Uppercase requirement met.
PASS: Lowercase requirement met.
FAILED: Password must contain at least one digit.
FAILED: Password must contain at least one special character.
-----
Overall Status: WEAK Password. Please improve it.
```

## #Example 2

```
Enter your password to check its strength: Abc123
--- Password Strength Report ---
FAILED: Password must be at least 8 characters long.
PASS: Uppercase requirement met.
PASS: Lowercase requirement met.
PASS: Digit requirement met.
FAILED: Password must contain at least one special character.
-----
Overall Status: WEAK Password. Please improve it.
```

## #Example 3

```
Enter your password to check its strength: Hello@123
--- Password Strength Report ---
PASS: Length requirement met (8+ characters).
PASS: Uppercase requirement met.
PASS: Lowercase requirement met.
PASS: Digit requirement met.
PASS: Special character requirement met.
-----
Overall Status: STRONG Password!
```

## #Example 4

```
Enter your password to check its strength: 12345678
--- Password Strength Report ---
PASS: Length requirement met (8+ characters).
FAILED: Password must contain at least one uppercase letter.
FAILED: Password must contain at least one lowercase letter.
PASS: Digit requirement met.
FAILED: Password must contain at least one special character.
-----
Overall Status: WEAK Password. Please improve it.
```