

Python 3 (ipykernel) | Idle | Mem: 161.25 / 2048.00 MB

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Notebook Python 3 (ipykernel)

Name Modified

data 3d ago

\_preProcess.ipynb 3d ago

\_preProcess.md 3d ago

decrypted\_image... next yr.

encrypted\_image... next yr.

environment.yml 3d ago

image\_encryptor... next yr.

image\_encryptor.py 2m ago

input\_image.jpg 8m ago

MatplotlibExampl... 7m ago

MatplotlibExampl... 8m ago

PasswordStrength... next yr.

README.md 3d ago

```
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nsuggestions to improve:")
        for tip in suggestions:
            print("- " + tip)
```

Enter your password: abc123

Password Strength: Weak

Suggestions to improve:

- Password should be at least 8 characters long.
- Add at least one uppercase letter.
- Add at least one special character.

1 3

Simple Python 3 (ipykernel) | Idle | Mem: 161.25 / 2048.00 MB Mode: Command Ln 46, Col 1 PasswordStrengthChecker.ipynb

Python 3 (ipykernel) | Idle | Mem: 161.16 / 2048.00 MB

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Name Modified

data 3d ago

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decrypted\_image... next yr.

encrypted\_image... next yr.

environment.yml 3d ago

image\_encryptor... next yr.

image\_encryptor.py 2m ago

input\_image.jpg 8m ago

MatplotlibExampl... 7m ago

MatplotlibExampl... 8m ago

PasswordStrength... next yr.

README.md 3d ago

```
strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nsuggestions to improve:")
        for tip in suggestions:
            print("- " + tip)
```

Enter your password: Password

Password Strength: Moderate

Suggestions to improve:

- Add at least one number.
- Add at least one special character.

1 3

Simple Python 3 (ipykernel) | Idle | Mem: 161.16 / 2048.00 MB Mode: Command Ln 46, Col 1 PasswordStrengthChecker.ipynb

Python 3 (ipykernel) | Idle | Mem: 161.08 / 2048.00 MB

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Notebook Python 3 (ipykernel)

Name Modified

data 3d ago

\_preProcess.ipynb 3d ago

\_preProcess.md 3d ago

decrypted\_image... next yr.

encrypted\_image... next yr.

environment.yml 3d ago

image\_encryptor... next yr.

image\_encryptor.py 2m ago

input\_image.jpg 8m ago

MatplotlibExampl... 7m ago

MatplotlibExampl... 8m ago

PasswordStrength... next yr.

README.md 3d ago

```
# Determining strength
if score <= 2:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nsuggestions to improve:")
        for tip in suggestions:
            print("- " + tip)
```

Enter your password: Password123

Password Strength: Moderate

Suggestions to improve:

- Add at least one special character.

1 3

Simple Python 3 (ipykernel) | Idle | Mem: 161.08 / 2048.00 MB Mode: Command Ln 46, Col 1 PasswordStrengthChecker.ipynb

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Python 3 (ipykernel) | Idle | Mem: 161.03 / 2048.00 MB | Mode: Command | Ln 46, Col 1 | PasswordStrengthChecker.ipynb

```
# Determine strength
if score <= 2:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print(f"- {tip}")
```

Enter your password: P@ssword

Password Strength: Moderate

Suggestions to improve:

- Add at least one number.

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Python 3 (ipykernel) | Idle | Mem: 161.05 / 2048.00 MB | Mode: Command | Ln 46, Col 1 | PasswordStrengthChecker.ipynb

```
feedback.append("Add at least one special character.")

# Determine strength
if score <= 2:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print(f"- {tip}")
```

Enter your password: P@ss123

Password Strength: Moderate

Suggestions to improve:

- Password should be at least 8 characters long.

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Python 3 (ipykernel) | Idle | Mem: 161.10 / 2048.00 MB | Mode: Command | Ln 46, Col 1 | PasswordStrengthChecker.ipynb

```
# Check for special characters
if re.search("[!@#$%^&*()_+=~-'\"]+", password):
    score += 1
else:
    feedback.append("Add at least one special character.")

# Determine strength
if score <= 2:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print(f"- {tip}")
```

Enter your password: P@ssword123

Password Strength: Strong

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Python 3 (pykernel)

reosback.append("Add at least one special character.")

```
# Determine strength
if score <= 2:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print(f"- {tip}")
```

Enter your password: 12345678

Password Strength: Weak

Suggestions to improve:

- Add at least one lowercase letter.
- Add at least one uppercase letter.
- Add at least one special character.

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Python 3 (pykernel)

reosback.append("Add at least one special character.")

```
# Determine strength
if score <= 2:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print(f"- {tip}")
```

Enter your password: 1QWASDef

Password Strength: Moderate

Suggestions to improve:

- Add at least one number.

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Python 3 (pykernel)

```
strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"\nPassword Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print(f"- {tip}")
```

Enter your password: Qwerty!

Password Strength: Moderate

Suggestions to improve:

- Password should be at least 8 characters long.
- Add at least one number.

Python 3 (pykernel)

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Notebook Python 3 (pykernel)

File Explorer

Name	Modified
data	3d ago
_preProcess.py	3d ago
_preProcess.mil	3d ago
decrypted_image...	next yr.
encrypted_image...	next yr.
environment.yml	3d ago
image_encryptor...	next yr.
image_encryptor.py	2m ago
input_image.jpg	8m ago
MatplotlibExampl...	7m ago
MatplotlibExampl...	8m ago
PasswordStrength...	next yr.
README.md	3d ago

```
score += 1
else:
    feedback.append("Add at least one special character.")

# Determine strength
if score <= 3:
    strength = "Weak"
elif score == 3 or score == 4:
    strength = "Moderate"
else:
    strength = "Strong"

return strength, feedback

if __name__ == "__main__":
    pwd = input("Enter your password: ")
    strength, suggestions = check_password_strength(pwd)

    print(f"Password Strength: {strength}")
    if suggestions:
        print("\nSuggestions to improve:")
        for tip in suggestions:
            print("- " + tip)

Enter your password: Qw6rTy2025!

Password Strength: Strong
```

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