Programiz Python Online Compiler

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main.py

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Output

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```python
import re

def check_password_strength(password):

    length_error = len(password) < 8
    lowercase_error = not re.search(r"[a-z]", password)
    uppercase_error = not re.search(r"[A-Z]", password)
    digit_error = not re.search(r"\d", password)
    special_char_error = not re.search(r"[!@#$%^&*(),.?\":{}|<>]",
        password)

    errors = [length_error, lowercase_error, uppercase_error,
        digit_error, special_char_error]
    score = 5 - sum(errors)

    if score == 5:
        strength = "Very Strong"
    elif score == 4:
        strength = "Strong"
    elif score == 3:
```

```
Enter your password: SkillCraftTechnology@2025

Password Strength: Very Strong

=== Code Execution Successful ===
```

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```
    elif score == 3:
        strength = "Moderate"
    elif score == 2:
        strength = "Weak"
    else:
        strength = "Very Weak"

    feedback = []
    if length_error:
        feedback.append("Password should be at least 8 characters
            long.")
    if lowercase_error:
        feedback.append("Include at least one lowercase letter.")
    if uppercase_error:
        feedback.append("Include at least one uppercase letter.")
    if digit_error:
        feedback.append("Include at least one digit.")
    if special_char_error:
        feedback.append("Include at least one special character.")

```

```
Enter your password: SkillCraftTechnology@2025

Password Strength: Very Strong

=== Code Execution Successful ===
```

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```
            long.")
    if lowercase_error:
        feedback.append("Include at least one lowercase letter.")
    if uppercase_error:
        feedback.append("Include at least one uppercase letter.")
    if digit_error:
        feedback.append("Include at least one digit.")
    if special_char_error:
        feedback.append("Include at least one special character.")

    return strength, feedback

password = input("Enter your password: ")
strength, feedback = check_password_strength(password)
print(f"\nPassword Strength: {strength}")
if feedback:
    print("Suggestions:")
    for tip in feedback:
        print(f"- {tip}")

```

```
Enter your password: SkillCraftTechnology@2025

Password Strength: Very Strong

=== Code Execution Successful ===
```