

VaultofCodes

Mini project:

Create a Password Strength Indicator for a login page of our website.

```
import re

def password_strength(password):
    length = len(password)
    uppercase = any(c.isupper() for c in password)
    lowercase = any(c.islower() for c in password)
    digit = any(c.isdigit() for c in password)
    special_char = bool(re.match('[!@#$%^&*\\(\\)_+\\-=\\[\\]\\{\\};\\'\"<>\\.\\/\\?\\|`~]', password))

    if length > 8 and uppercase and lowercase and digit and special_char:
        return "Strong"
    elif length > 6 and uppercase and lowercase and digit:
        return "Medium"
    else:
        return "Weak"

# Get the password from the user
password = input("Enter your password: ")

strength = password_strength(password)
print(f"Password strength: {strength}")
```

OUTPUT:

➤ Enter your password: V@ult0fCodes_19

Password strength: Strong

➤ Enter your password: Vau1tofC0des

Password strength: Medium