

We got a list of passwords we need to know which one I leaked more than 80 times, so we are going to use HIBP API.

I will use this script to find which password is leaked.

```
import requests
import hashlib

# Read the file containing usernames and passwords
with open('pass', 'r') as f:
    for line in f:
        # Split the line into username and password
        password = line.strip()

        # Hash the password using SHA-1 algorithm
        password_hash = hashlib.sha1(password.encode('utf-8')).hexdigest().upper()

        # Make a request to "Have I Been Pwned" API to check if the password has been leaked
        print(f'[+] Checking password {password}')
        response = requests.get(f"https://api.pwnedpasswords.com/range/{password_hash[:5]}")

        # If the response status code is 200, it means the password has been leaked
        if response.status_code == 200:
            # Get the list of hashes of leaked passwords that start with the same 5 characters as the input password
            hashes = [line.split(':') for line in response.text.splitlines()]

            # Check if the hash of the input password matches any of the leaked password hashes
            for h, count in hashes:
                if password_hash[5:] == h:
                    print(f"Password {password} has been leaked {count} times.")
                    break
        else:
            print(f"Could not check password for user {username}.")
```

We got the password.

```
[+] Checking password GuitarHero6567@
[+] Checking password Bubblegum123!
Password Bubblegum123! has been leaked 82 times.
[+] Checking password Starlight789$
[+] Checking password DragonFly321@
[+] Checking password CoffeeLover2020!
```