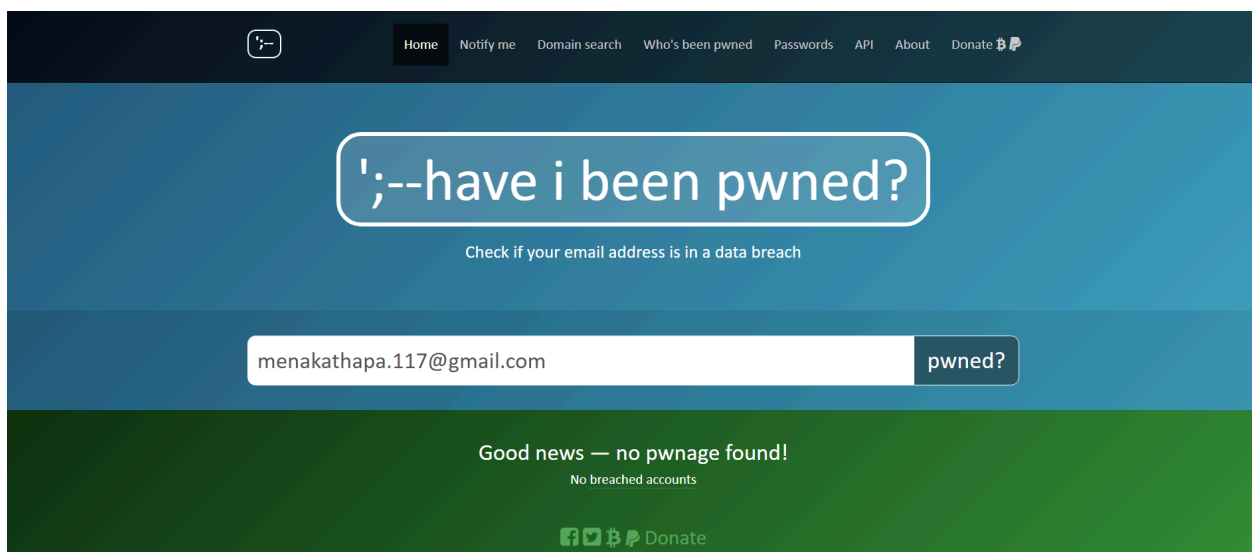


# Day 16 - Breach Dataset Insights – Weak Password Patterns

## What I Did Today

- Checked if my email was exposed using [HaveIBeenPwned](#).
- Explored public breach datasets (password lists) from GitHub.
- Observed patterns in weak passwords and understood their risk.

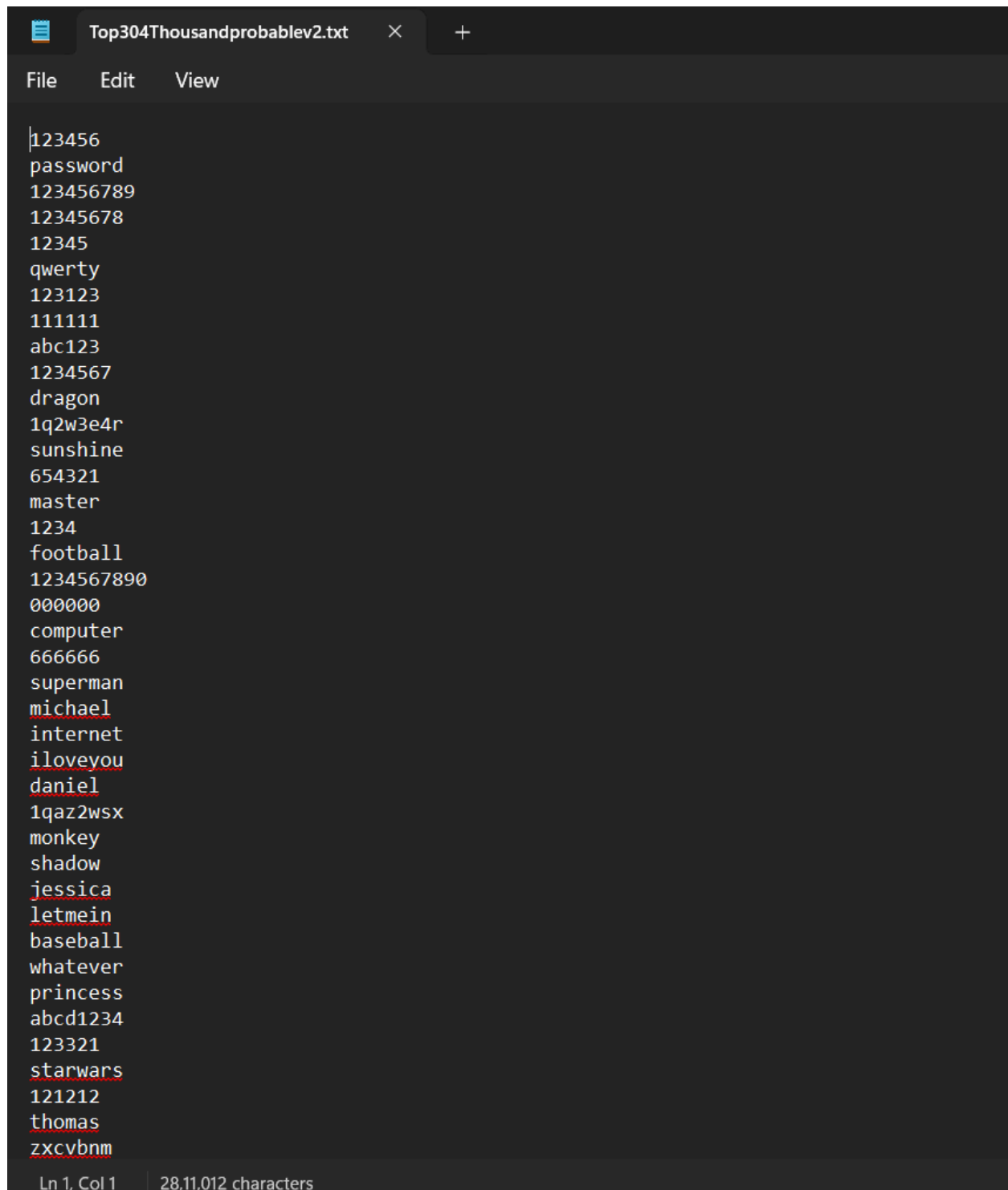


Publicly available password list:

<https://github.com/berzerk0/Probable-Wordlists/blob/master/Real-Passwords/Top304Thousand-probable-v2.txt> :

Commonly used for:

- **Password audits** (to test password strength)
- **Penetration testing**
- **Brute-force simulations**



The image shows a text editor window titled "Top304Thousandprobablev2.txt". The editor displays a list of 40 passwords, each on a new line. The passwords are: 123456, password, 123456789, 12345678, 12345, qwerty, 123123, 111111, abc123, 1234567, dragon, 1q2w3e4r, sunshine, 654321, master, 1234, football, 1234567890, 000000, computer, 666666, superman, michael, internet, iloveyou, daniel, 1qaz2wsx, monkey, shadow, jessica, letmein, baseball, whatever, princess, abcd1234, 123321, starwars, 121212, thomas, and zxcvbnm. The passwords "michael", "iloveyou", "daniel", "jessica", "letmein", "starwars", "thomas", and "zxcvbnm" are underlined in red. The status bar at the bottom indicates "Ln 1, Col 1" and "28,11,012 characters".

```
123456
password
123456789
12345678
12345
qwerty
123123
111111
abc123
1234567
dragon
1q2w3e4r
sunshine
654321
master
1234
football
1234567890
000000
computer
666666
superman
michael
internet
iloveyou
daniel
1qaz2wsx
monkey
shadow
jessica
letmein
baseball
whatever
princess
abcd1234
123321
starwars
121212
thomas
zxcvbnm
```

Ln 1, Col 1 | 28,11,012 characters

These passwords were **found in actual data breaches**. Many are:

- Numeric (e.g., `123456` , `111111` )
  - Common words ( `password` , `football` , `dragon` )
  - Simple patterns ( `qwerty` , `abc123` , `letmein` )
  - Names ( `michael` , `jessica` , `daniel` , `thomas` )
- 

## Key Observations

- Most are **short and predictable**.
  - Many use **keyboard patterns** (like `qwerty` , `1qaz2wsx` ).
  - Several express emotions or common themes ( `iloveyou` , `superman` , `princess` ).
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## Key Learnings

Topic	Description
<b>Breach Dataset</b>	A collection of data exposed during cybersecurity incidents (emails, passwords, phone numbers).
<b>HavelBeenPwned</b>	Tool to check if your email/username was part of a data breach.
<b>Password Wordlists</b>	Files containing millions of commonly used passwords—used in password audits and brute-force testing.
<b>Security Takeaway</b>	Weak and reused passwords are a major cause of account compromise. Use strong, unique passwords with a manager.

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