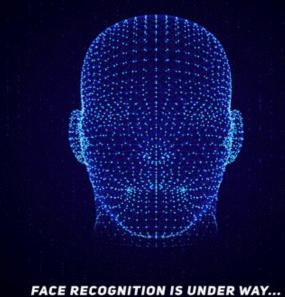


www.penjee.com





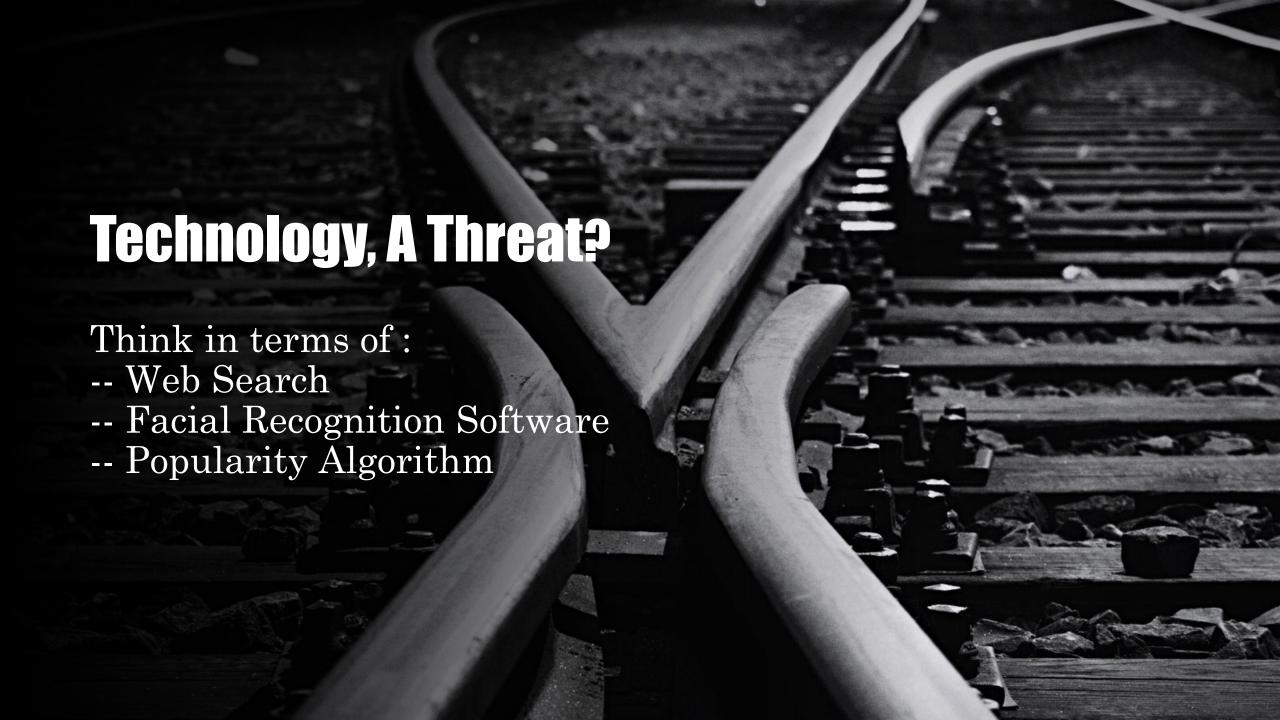




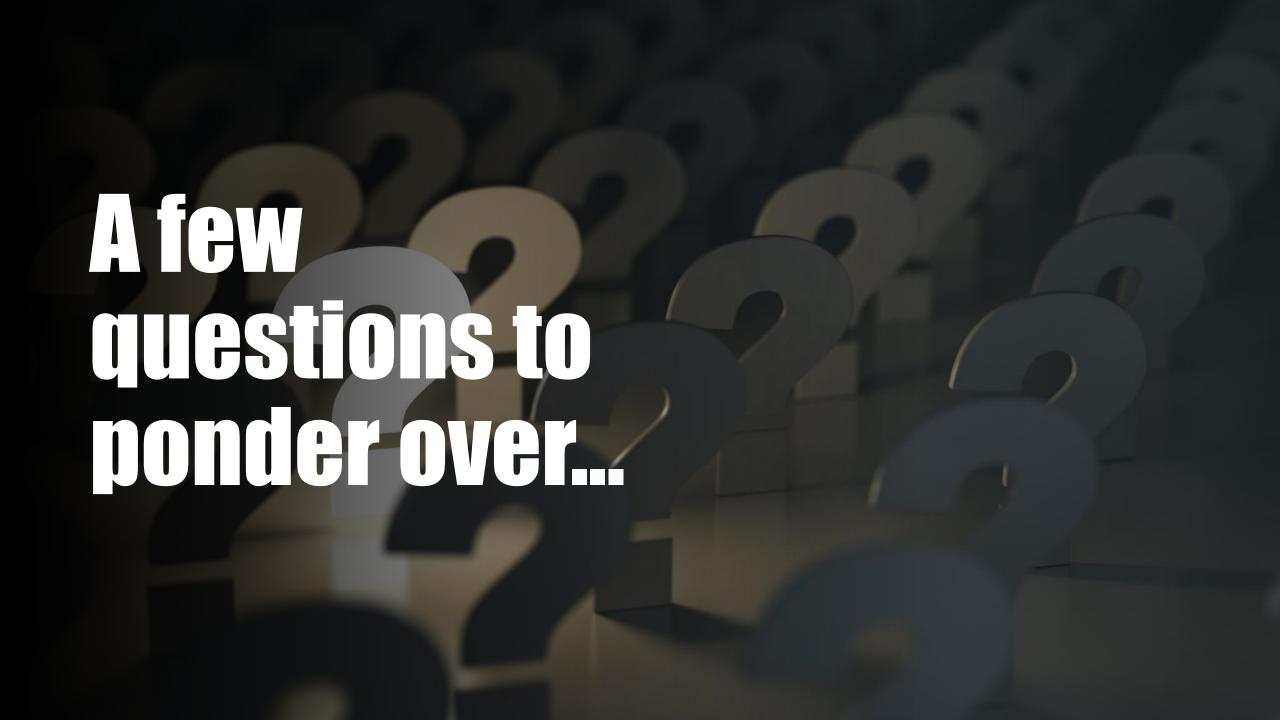














Alexa, What's Privacy?

"Smart" devices are listening—and so are humans



How much information collected by your Google search or YouTube watch history is being used to deanonymize you without your consent?

Is it being used to target certain issues and influence you?

I'm not sure I understand

Ethical Question 2: Given the obvious bias that exists in algorithmic designs for minorities, how safe is metaverse?





HACKED ! AOU HACKED |



Malware and Ransomware Attacks

Malware is the general term for any program that is designed to damage, disrupt, or hack a device. **Viruses and ransomware are malware**.

Ransomware are malicious programs that block access to your device until you pay a ransom fee to its creator. It is often very difficult and expensive to remove



Payment will be raised on

5/18/2017 13:41:03

Time Left

02:23:59:24

Your files will be lost on

5/22/2017 13:41:03

Time Left

06:23:59:24

bout bitcoin.

buy bitepin

Ooops, your files have been encrypted!

English

What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

CMT from Monday to Eviday



Send \$300 worth of bitcoin to this address:

12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw



The **WannaCry ransomware attack** was a worldwide <u>cyberattack</u> in May 2017 by the WannaCry <u>ransomware cryptoworm</u>, which targeted computers running the <u>Microsoft Windows operating</u> <u>system</u> by encrypting data and demanding ransom payments in the <u>Bitcoin cryptocurrency</u>

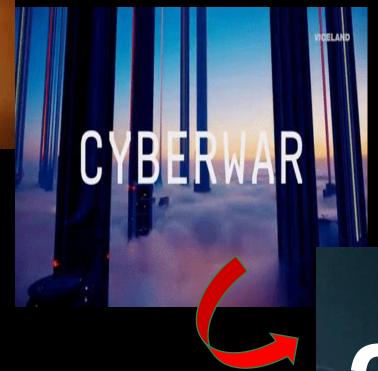
"WannaCry scale and NotPetya ferocity? The disaster management capabilities of the nation are not prepared for it."

Russia was charged with conducting the most disruptive and destructive series of computer attacks ever attributed to a single group, including unleashing the NotPetya malware - even though it was designed to infiltrate computer systems via a popular piece of Ukrainian accounting software, the virus spread far beyond the borders of Ukraine, causing an incredible amount and variety of damage upto \$10B.



Evolution of Wars – A TimeLine?





About 700,000 results (0.64 seconds)

According to the lawsuit, Kidd wasn't informed Springhill was struggling with a cyberattack when she went in to deliver her daughter, and doctors and nurses then missed a number of key tests that would have shown that **the umbilical cord was wrapped around the baby's neck, leading to brain damage and death nine months** ... Sep 30, 2021

https://www.nbcnews.com > news > baby-died-due-ranso...

Baby died because of ransomware attack on hospital, suit says

Ethical Question 3: Why brand these attacks as "war"?

How many of these cyberattacks are purely monetary or political?

Attackers know who has been hit – People are not collateral damage - threatening lives?

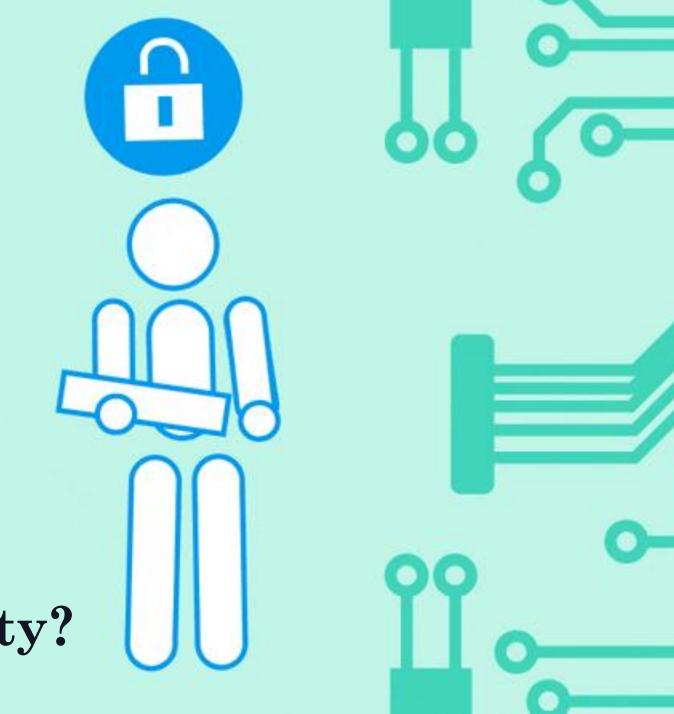
How long did it take Maersk to recover from NotPetya?

The impact was as immediate as the recovery was slow: Maersk's network was crippled within seven minutes, most of the damage was done within an hour and it took **nine days** to restore its Active Directory system. Dec 9, 2019

https://portswigger.net > daily-swig > when-the-screens-... •

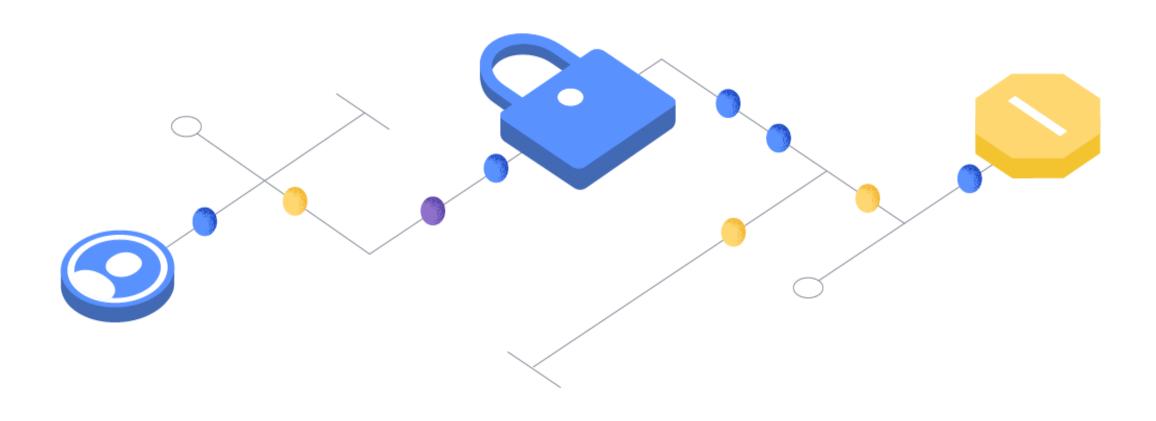
When the screens went black: How NotPetya taught Maersk to ...





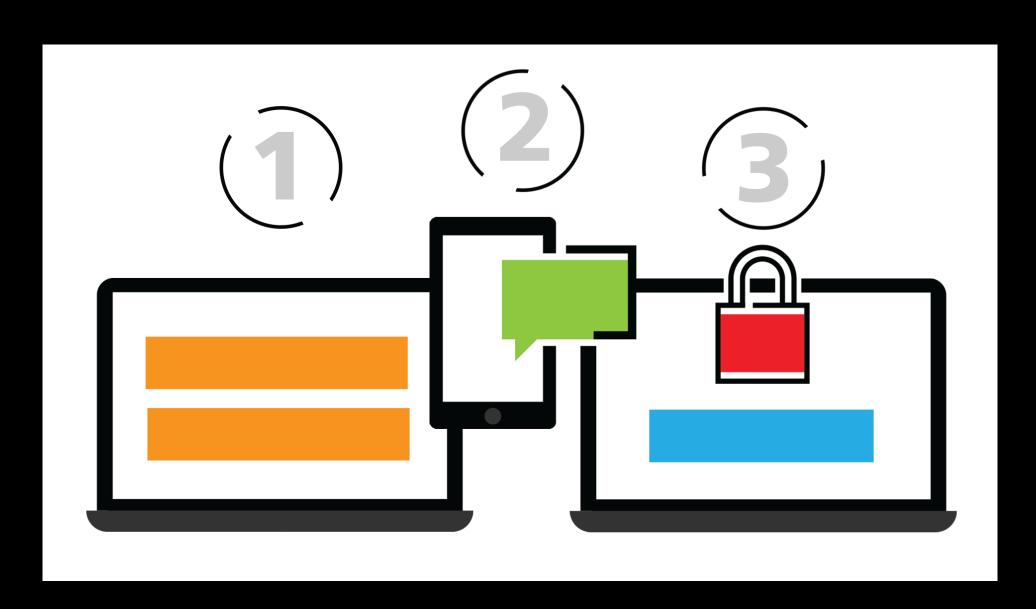
What is Cybersecurity?

Cybersecurity is the practice of deploying people, policies, processes and technologies to protect organizations, their critical systems and sensitive information from digital attacks

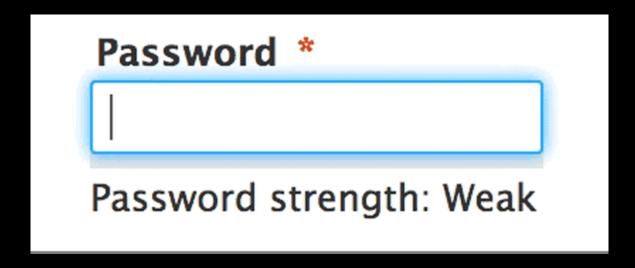


Access to user data is the biggest boon and bane of this century --- Passwords?

What is 2 Factor Authentication?



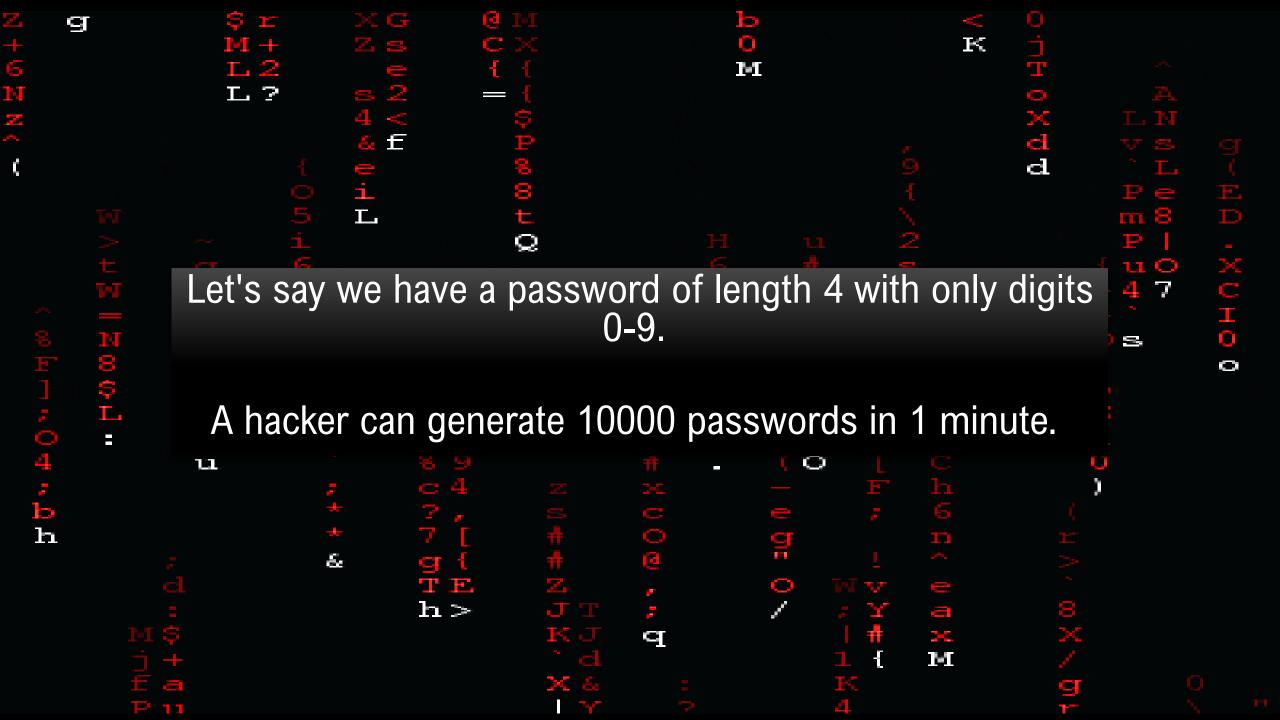
Why is Password Strength important?

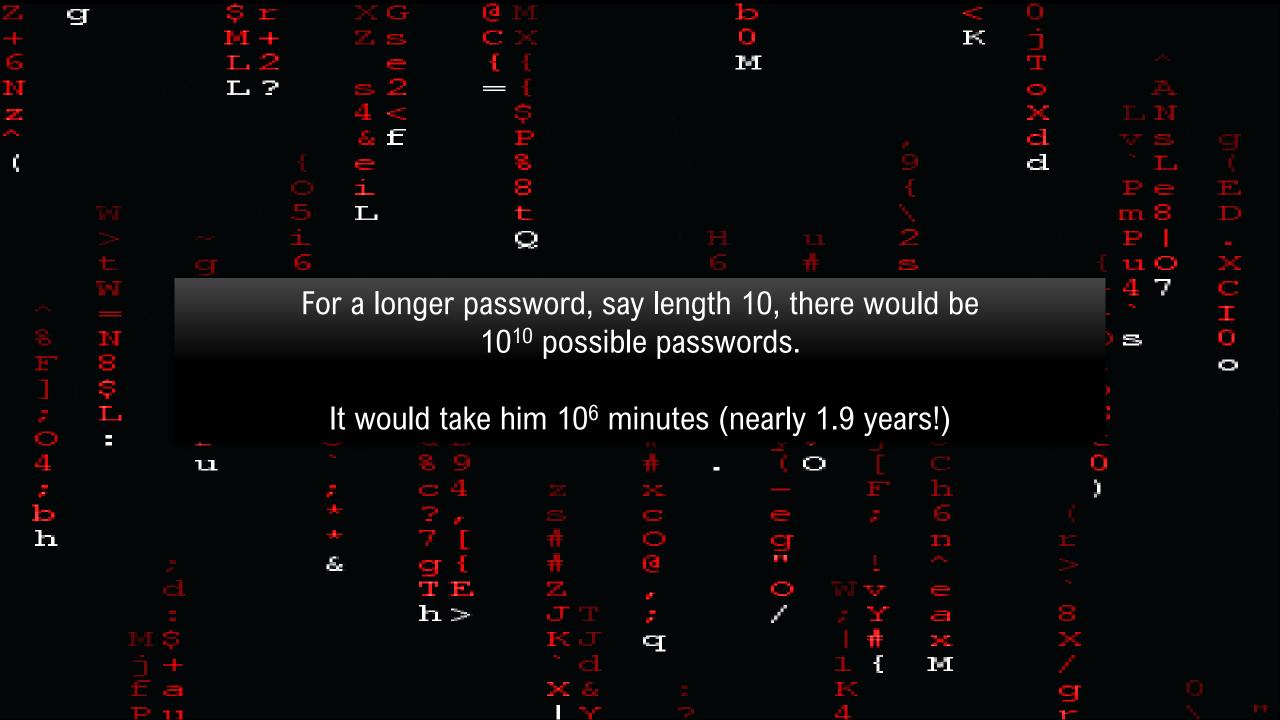


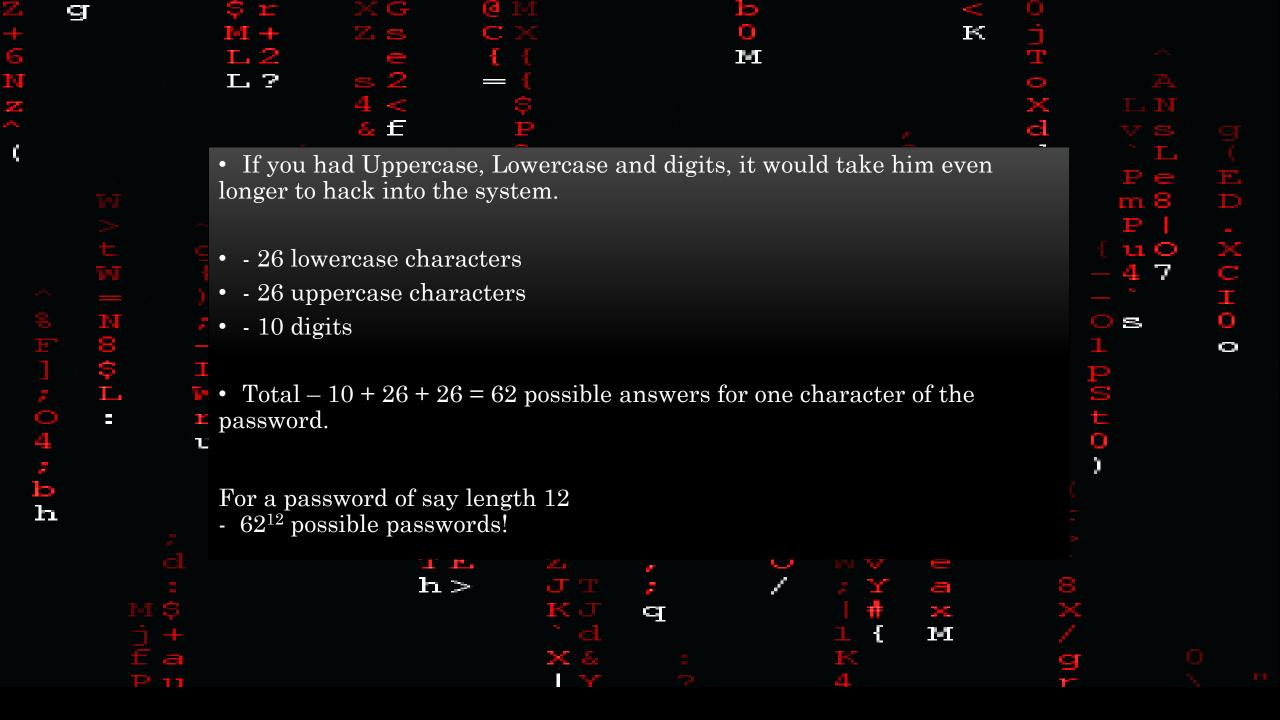
More Importantly, why go google suggested passwords look like this?

Use suggested password —Eq\$Tj5i89NiJ7#

Chrome will save this password in your Google Account. You won't have to remember it.







Time To CODE!!!

Task – Beware! The hackers are trying to get into your SNAPCHAT account!!! We must prevent this!

Write a program to check if the password generated is valid! Checking criteria for password:

- Atleast 1 uppercase character
- Atleast 1 lowercase character
- Atleast 1 digit 0-9
- Atleast 1 special character
- Atleast length of size 8



https://bit.ly/3AVrYGg





