This is CS50

This is CS50

- Hello, ~~world~~ families!
- Do say hi or ask questions (or ask for stress ball 🔴) after class!

This is CS50

If RSVP'd for CS50 Lunch at Changsho after lecture, look for this yellow duck in the lobby to follow!

open
cs50.ly/poll
on your phone
🤓

This is CS50

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0101000001000001010100110101001101010111010011101010010010000100

passwords

1. 123456
2. 123456789
3. 12345
4. qwerty
5. password
6. 12345678
7. 111111
8. 123123
9. 1234567890
10. 1234567

4-digit passcode

brute-force attacks

4-digit passcode

$10 \times 10 \times 10 \times 10$

10,000

4-letter passcode

52 × 52 × 52 × 52

7,311,616

4-character passcode

94 × 94 × 94 × 94

78,074,896

8-character passcode

94 × 94 × 94 × 94 × 94 × 94 × 94 × 94

6,095,689,385,410,816
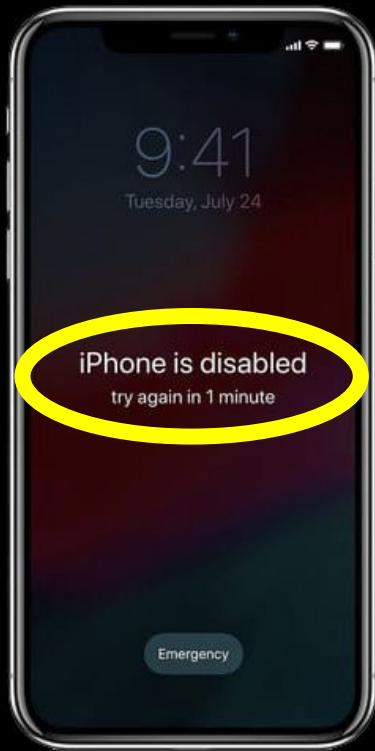
11:27

Thu, May 28 ☁ 24°C

Google Fi 60%

11:27

Thu, May 28 ☁ 24°C

Too many attempts. Try again later.

Too many attempts. Try again later.

Google

Sign in

to continue to Gmail

Email or phone

Forgot email?

Not your computer? Use Guest mode to sign in privately.
Learn more

Create account

Next

password managers

- Credential Manager
- Keychain

- 1Password
- LastPass

- ...

two-factor authentication

Google

2-step Verification

Use your device to sign in to your Google Account.

Enter verification code

Get a verification code from the "Google Authenticator" app

Enter the 6-digit code

Done

☑ Don't ask again on this computer

encryption

THIS IS CS50

UHIS IS CS50

UIIS IS CS50

UIJS IS CS50

UIJT IS CS50

UIJT JS S CS50

UIJT JT CS50

UIJT JT DS50

UIJT JT DT50

https://

end-to-end encryption

Schedule Meeting

Topic

Cybersecurity

Date & Time

11/ 4/2022 ⌄   12:00 PM ⌄   to   1:00 PM ⌄   11/ 4/2022 ⌄

☐ Recurring meeting   Time Zone: Eastern Time (US and Canada) ⌄

Security

☑ Passcode   123456   ⑨

Only users who have the invite link or passcode can join the meeting

☐ Waiting Room

Only users admitted by the host can join the meeting

☐ Only authenticated users can join: Sign in to Zoom

Encryption

◯ Enhanced encryption ⑨   ⦿ End-to-end encryption ⑨

Several features will be automatically disabled when using end-to-end   ✕
encryption, including cloud recording and phone/SIP/H.323 dial-in.
Learn more

full-disk encryption

- BitLocker
- FileVault

- ...

ransomware

incognito mode

New Tab

Search Google or type a URL

Incognito

You've gone Incognito

Now you can browse privately, and other people who use this device won't see your activity. However, downloads, bookmarks and reading list items will be saved. Learn more

Chrome won't save the following information:

- Your browsing history
- Cookies and site data
- Information entered in forms

Your activity might still be visible to:

- Websites you visit
- Your employer or school
- Your internet service provider

Block third-party cookies

When on, sites can't use cookies that track you across the web. Features on some sites may break.

Homework

1. Use a password manager
2. Use two-factor authentication
3. Use (end-to-end) encryption

edx.org/cs50

UIJT XBT DT50

THIS XBT DT50

THIS WAS DT50

THIS WAS CS50

This was CS50

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