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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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
$10 \times 10 \times 10 \times 10 \times 10$
10,000
4-letter passcode
52 × 52 × 52 × 52
4-character passcode
94 \times 94 \times 94 \times 94
78,074,896
8-character passcode
94 × 94 × 94 × 94 × 94 × 94 × 94 × 94 × 94
6,095,689,385,410,816
iPhone is disabled
try again in 1 minute
Too many attempts. Try again later.
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
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
THIS IS CS50
U I I S I S C S 5 0
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
  - 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**
- End-to-end encryption

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
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
THIS WAS DT50
THIS WAS CS50
This was CS50
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