CS50 for JDs

cs50.harvard.edu/hls

secure

Join Zoom Meeting

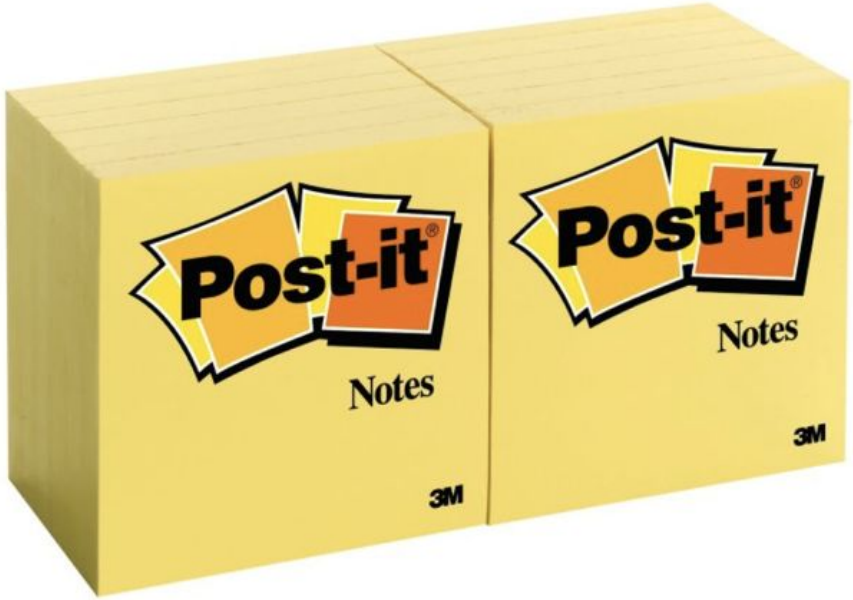
https://zoom.us/j/5551112222?pwd=#######

Meeting ID: 984 1966 1903

Passcode: 350840

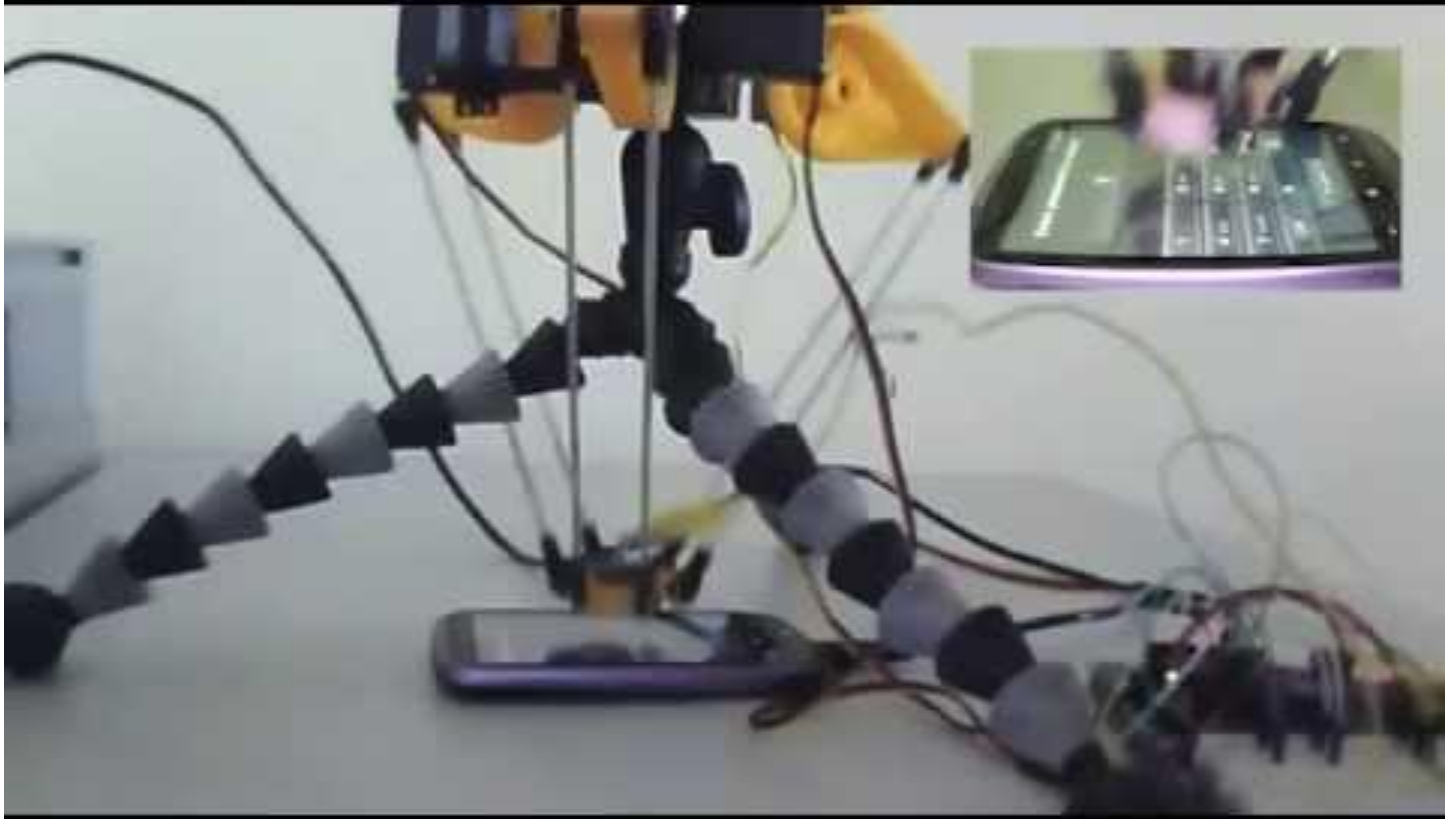
end-to-end encryption

passwords


Post-it
Notes
3M
Post-it
Notes
3M

1. 123456
2. 123456789
3. picture1
4. password
5. 12345678
6. 111111
7. 123123
8. 12345
9. 1234567890
10. senha

brute-force attacks



4-digit passcode

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

10,000

4-letter passcode

$$52 \times 52 \times 52 \times 52$$

7,311,616

4-character passcode

$$94 \times 94 \times 94 \times 94$$

78,074,896

8-character passcode

$$94 \times 94 \times 94 \times 94 \times 94 \times 94 \times 94 \times 94$$

6,095,689,385,410,816

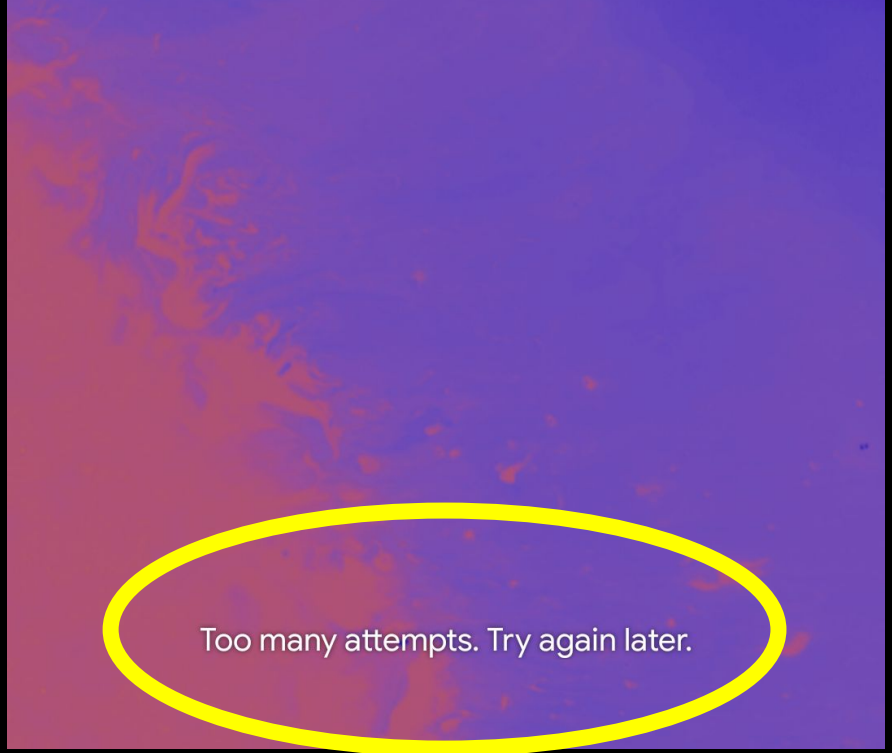
9:41
Tuesday, July 24
iPhone is disabled
try again in 1 minute
Emergency

9:41
Tuesday, July 24
iPhone is disabled
try again in 1 minute
Emergency

9:41
Tuesday, July 24
iPhone is disabled
try again in 1 minute
Emergency

Google Fi
60%
11:27
Thu, May 28
24°C
Too many attempts. Try again later.

Google Fi
60%
11:27
Thu, May 28
24°C
Too many attempts. Try again later.


Too many attempts. Try again later.

two-factor authentication

RSA
SecurID
159 759

123456
123456

password managers

1password.com
lastpass.com
...

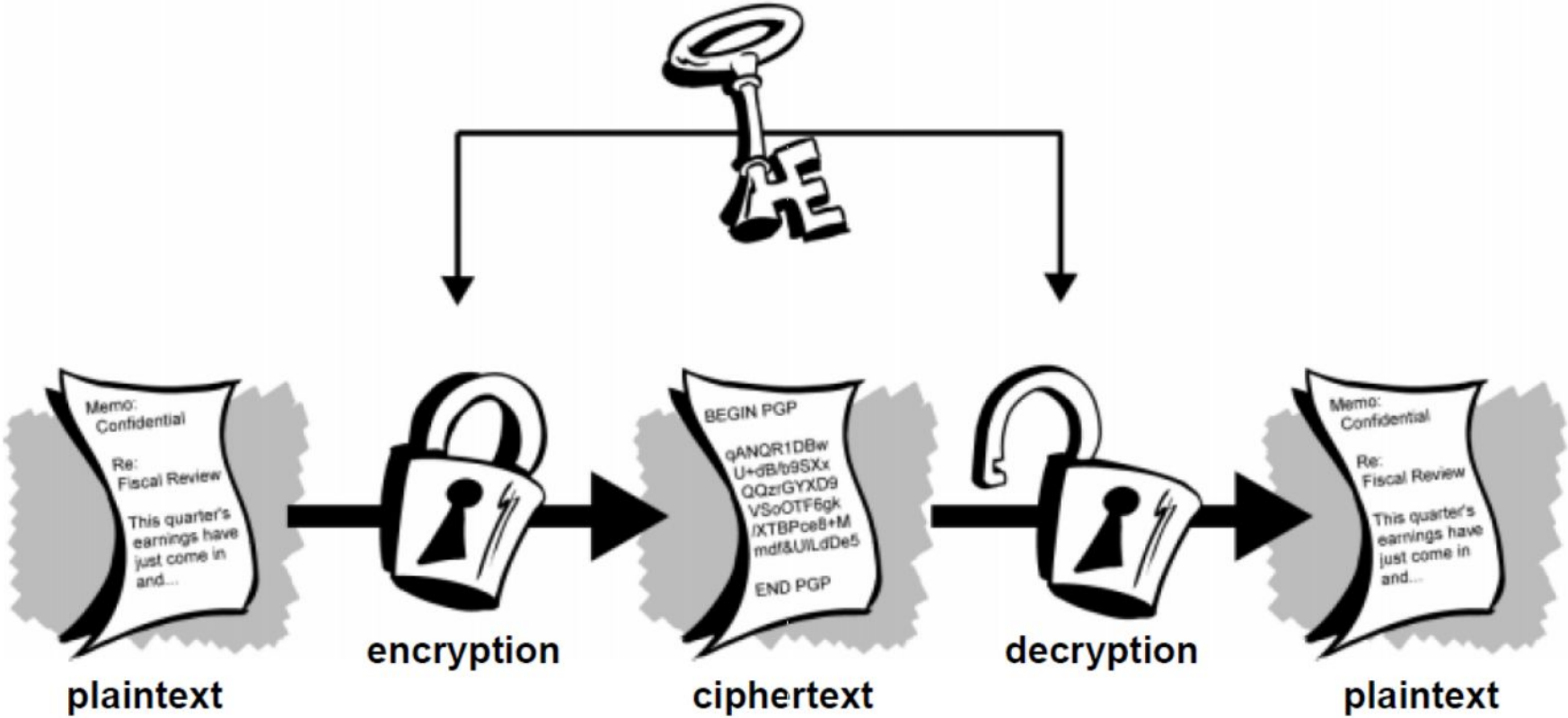
SSO

hashes

encryption

Or fher gb qevax lbhe Binygvar.

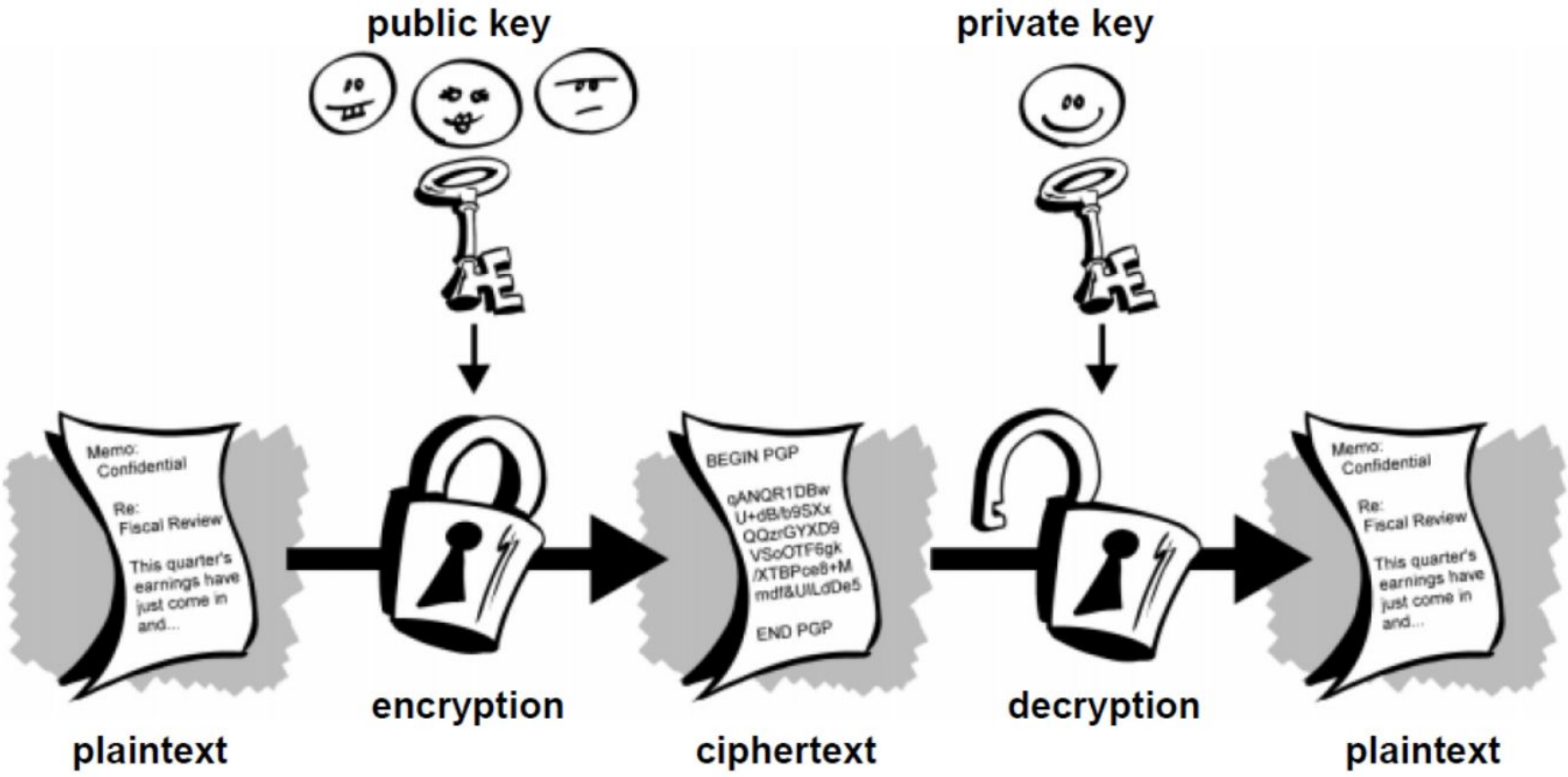
secret-key encryption


Memo:
Confidential
Re:
Fiscal Review
This quarter's earnings have just come in and...
BEGIN PGP
qANQR1DBw
U+dB/b9SXx
QQzrGYXD9
VSoOTF6gk
/XTBPce8+M
mdf&UlLdDe5
END PGP
Memo:
Confidential
Re:
Fiscal Review
This quarter's earnings have just come in and...
encryption
decryption
plaintext
ciphertext
plaintext

Or fher gb qevax lbhe Binygvar.

Be sure to drink your Ovaltine.

public-key encryption


public key
private key
Memo:
Confidential
Re:
Fiscal Review
This quarter's earnings have just come in and...
BEGIN PGP
qANQR1DBw
U+dB/b9SXx
QQzrGYXD9
VSoOTF6gk
/XTBPoe8+M
mdf&UlLdDe5
END PGP
Memo:
Confidential
Re:
Fiscal Review
This quarter's earnings have just come in and...
encryption
decryption
plaintext
ciphertext
plaintext

HTTPS

forgot password?

email

Confidential mode

Recipients won't have the option to forward, copy, print, or download this email. Learn more

SET EXPIRATION

Expires in 1 week | Thu, Nov 4, 2021

REQUIRE PASSCODE

All passcodes will be generated by Google.

(•) No SMS passcode ( ) SMS passcode

Cancel Save

Report Phishing

Deleting helps you, reporting helps everyone.

phishing@harvard.edu

Learn to click wisely at security.harvard.edu.

HARVARD UNIVERSITY

Small Actions. Big Difference.
You help keep Harvard secure.

PGP

digital signatures

VPNs

haveibeenpwned.com

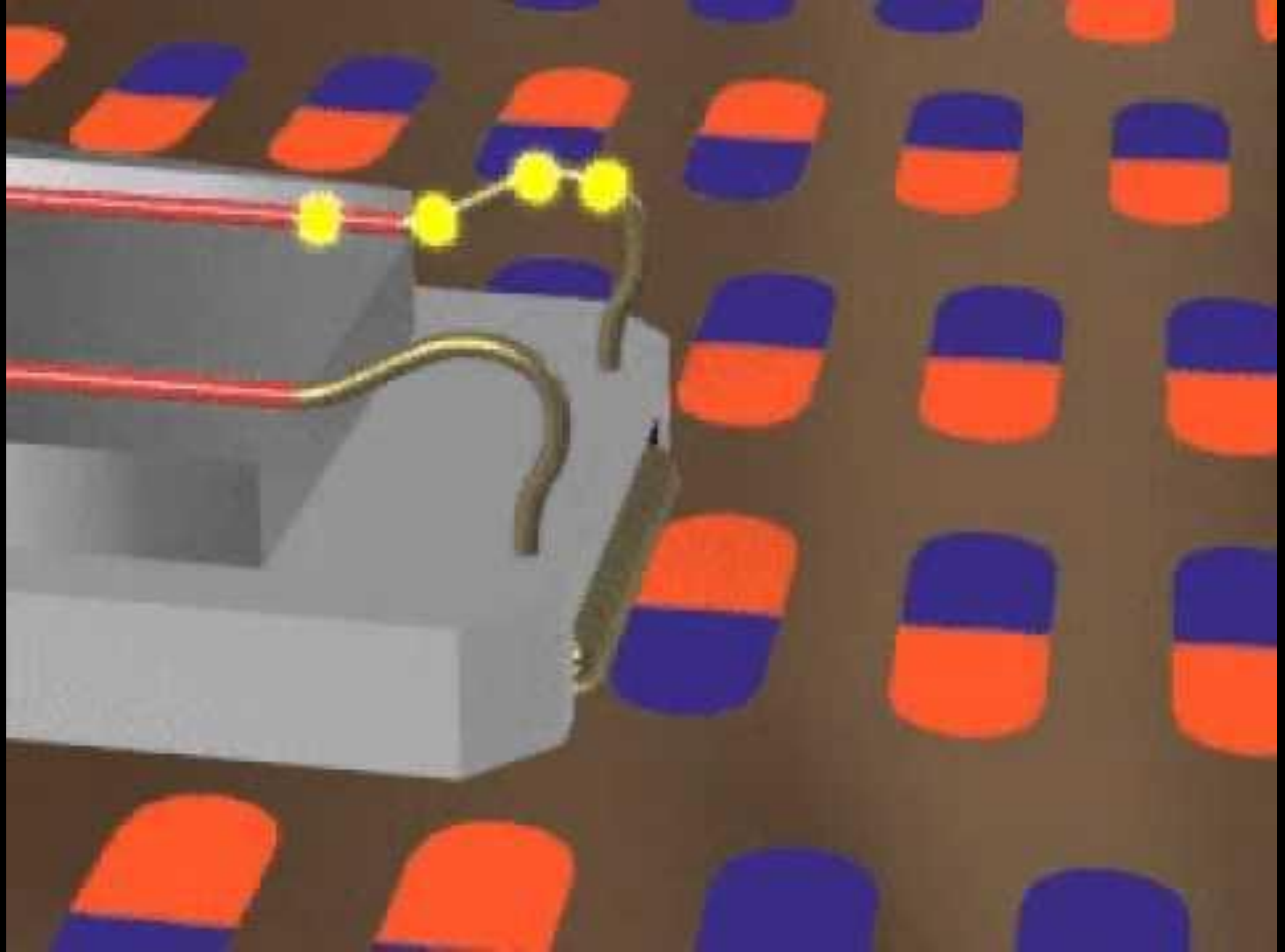
ransomware

storage

crucial
by Micron
47J6
4G85
4G85
4G85
8BBI2
D9HXT
8BBI2
D9HXT

amazon.com

WARRANTY VOID IF AUTHENTICITY LABEL REMOVED OR DAMAGED.
POWER DOWN THEN EJECT



dban.org

intel

SanDisk

My Passport
Ultra

WD
My Book

full-disk encryption

automatic updates

firewalls

port scanning

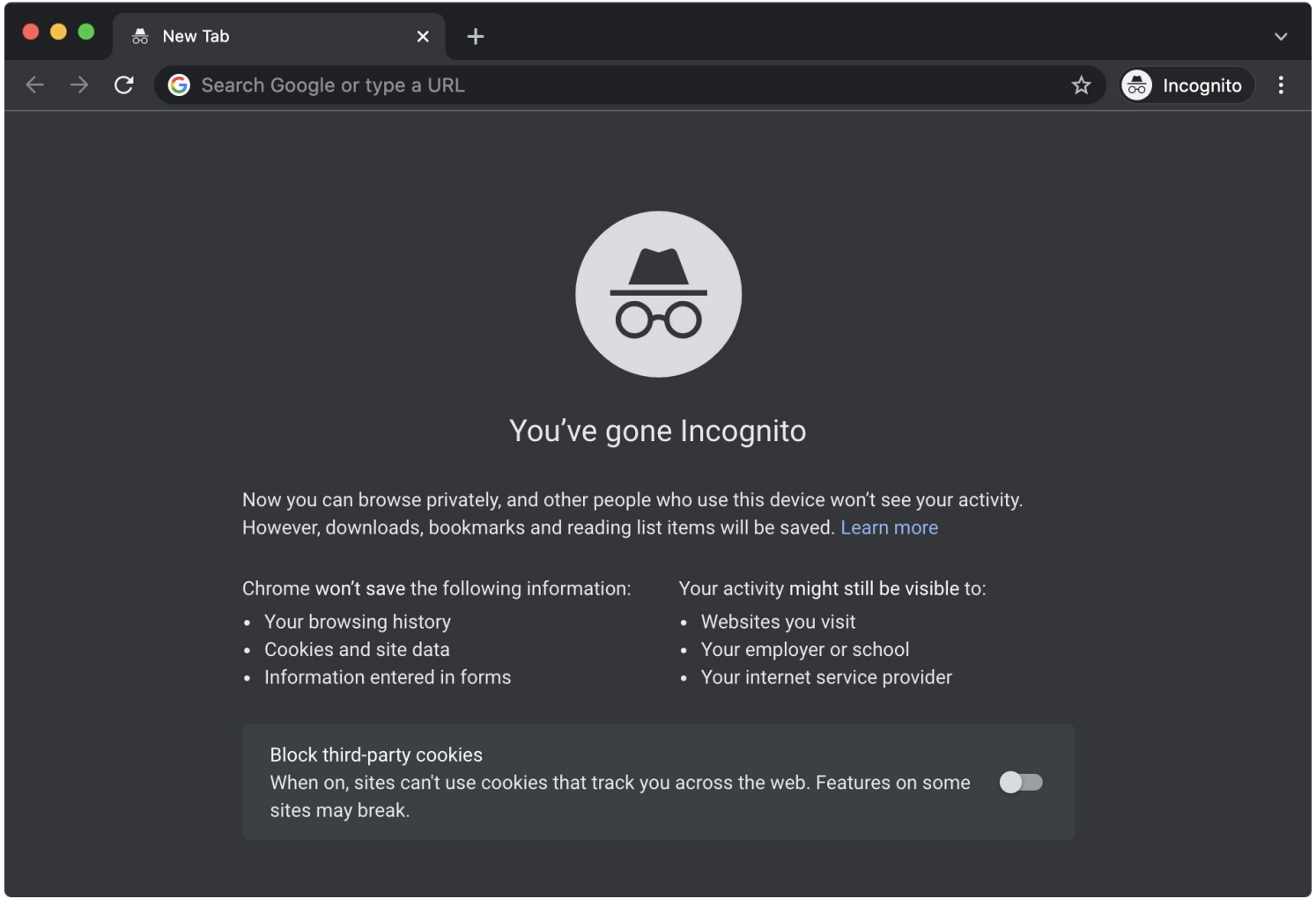
viruses, worms

keyloggers

open-source software

incognito mode

cookies


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.

DELETE COOKIES?!
gegen-den-strich.com
FERNANDEZ

de-identification

Netflix Prize
COMPLETED

Seminars

Assignment 6

Office Hours

CS50 for JDs

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