Office hours Twoday 4-6 Help Centre Web 3-5 Help Centre G. Thurs 2-4 Help Contre Fridey 3-5 BA3175. Why and how 5 Friday's tatorial exercise - posted later today. week 12 Danny Heap heap@cs.toronto.edu BA4270 (behind elevators) http://www.cdf.toronto.edu/~heap/104/F12/ 416-978-5899

Text: Picturing Programs

## Outline

privacy

Notes

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share, but don't share Richard Stallman - CScientist, founder GNU software refused to have a password -> last his account you are here, probably. - other avoid computers, rotebables, Speech.



information wants to be shared... how much? with whom?





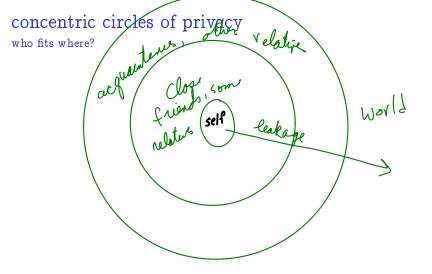
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privacy, pro or con? make your lists... con tro antrol nom Conspiracy phone number Privace negotialed, privace negotialed, privace right. DOB hopes thought

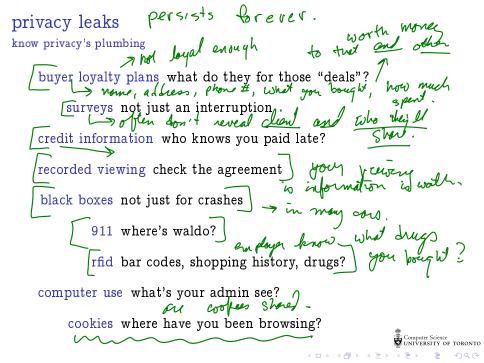
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#### required leaks can lose your identity

Being born, working, imprisoned, or paying taxes, can generate information about you that you aren't allowed to keep private. How many of these do you think are necessary to identify an American with more than 80% accuracy (according to Dr Latanya Sweeny)?

- hospital of birth
- ★ ► date of birth —
- -∦ ▶ gender
  - 崧 🕨 postal code
    - blood type

aggre gate very revealing - not anonymous.

(日)



### what can you do? increase privacy and security

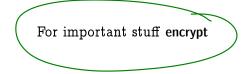
passwords and pins

know something about contacts

update security software, OSs

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careful when you click



### flatten

```
; flatten : list -> list
(define (flatten L)
  (cond
    [(cons? L) (apply append (map flatten L))]
    [else (list L)]))
; predict what (flatten 3) does
; predict what (flatten (list 3)) does
; predict what (flatten (list 1 2 (list 3))) does
```



# depth

```
; depth : list -> number
(define (depth L)
  (cond
    [(cons? L) (+ 1 (apply max (map depth L)))]
    [else 0]))
```

- ; predict what (depth 3) does
- ; predict what (depth (list 3 4)) does
- ; predict what (depth (list 3 4 (list 5 6))) does

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### Notes

