

This was CS50

what ultimately matters in this course is not so much where you end up relative to your classmates but where you, in **Week 10**, end up relative to yourself in **Week 0**

#

##

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C\$50 Finance: Portfolio



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Symbol	Name	Shares	Price	TOTAL
NFLX	Netflix Inc.	1	\$301.78	\$301.78
CASH				\$9,698.22
				\$10,000.00

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"Beside learning the new material, I felt that I started to be more 'comfortable with being uncomfortable' and being okay with working towards building a skill rather than just getting the right answer..."



Frosh IMs

Intramural Sports
for the class of 2007

Calendar
Champions
FAQ's
Guide to Frosh IMs
Headlines
How to get involved
Photos

Point tallies
Records
Register
Registrants
Rules
Schedules and results
Whom to contact

Headlines

Past headlines

For headlines posted prior to the past seven days, click [here](#).

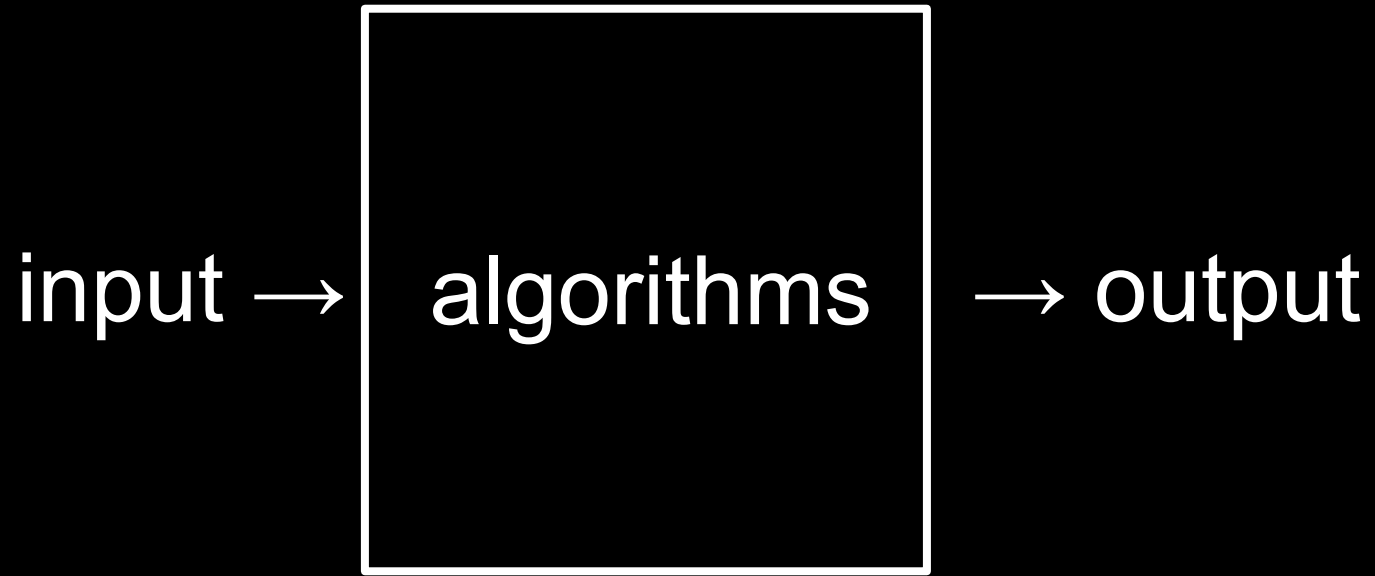
Thank You

CS50

A stylized clapperboard graphic is positioned behind the letter 'S' in 'CS50'. It features a series of diagonal black and white stripes on its top bar, with the word 'ACTION' partially visible in a sans-serif font.

Jason Benjamin Emily Doug John Bill Dylan Clarence
Ethan ^{Myungin} Austin Katherine Gabriel Andy
Jonathan Alexander Davey Emma Johnny Ben Andrew
Jess Hanna Kit Jake Christina Ernie Carter Erin
Josh Ben ^{Isaac} Elisa Eric ^{Abdur} Marian Caroline
Dan Kaiwen Emilia Cassandra Amrit Andrew
Greg August Gustavo Amy Alex ^{Marika} Montague
Kofi Amy ^{Edith} Anton Ibt Barbara David Colton Mike
Andra Cheng Aileen Athena Brian Kareem
Alex Julia James Krishna
Spencer Tyler Sophia Ileana Phil Vincent
Wes Sabrina Robert Anand Xiu Elle
Kevin Sewon Varsha Sarchie Barkley Nir Will
Benedict Max Rodrigo Jessica Jara Emily Jude
Ellie Annie Tina Rob Natalie Sarat Natalie
Katherine Max Marcello Sarjana Nick Natalie Sang-o Greta
Leah Jason Joyce Zanyla Thomas Phillip Nick Sean
Reese Sarim Shlomo Jo-Jo Nazeli Toby Zhihang Vojta
Anushree Johan Carter Richard Tara Veronica
Kazemi Sela Joe

Week 0



1 2 3

A

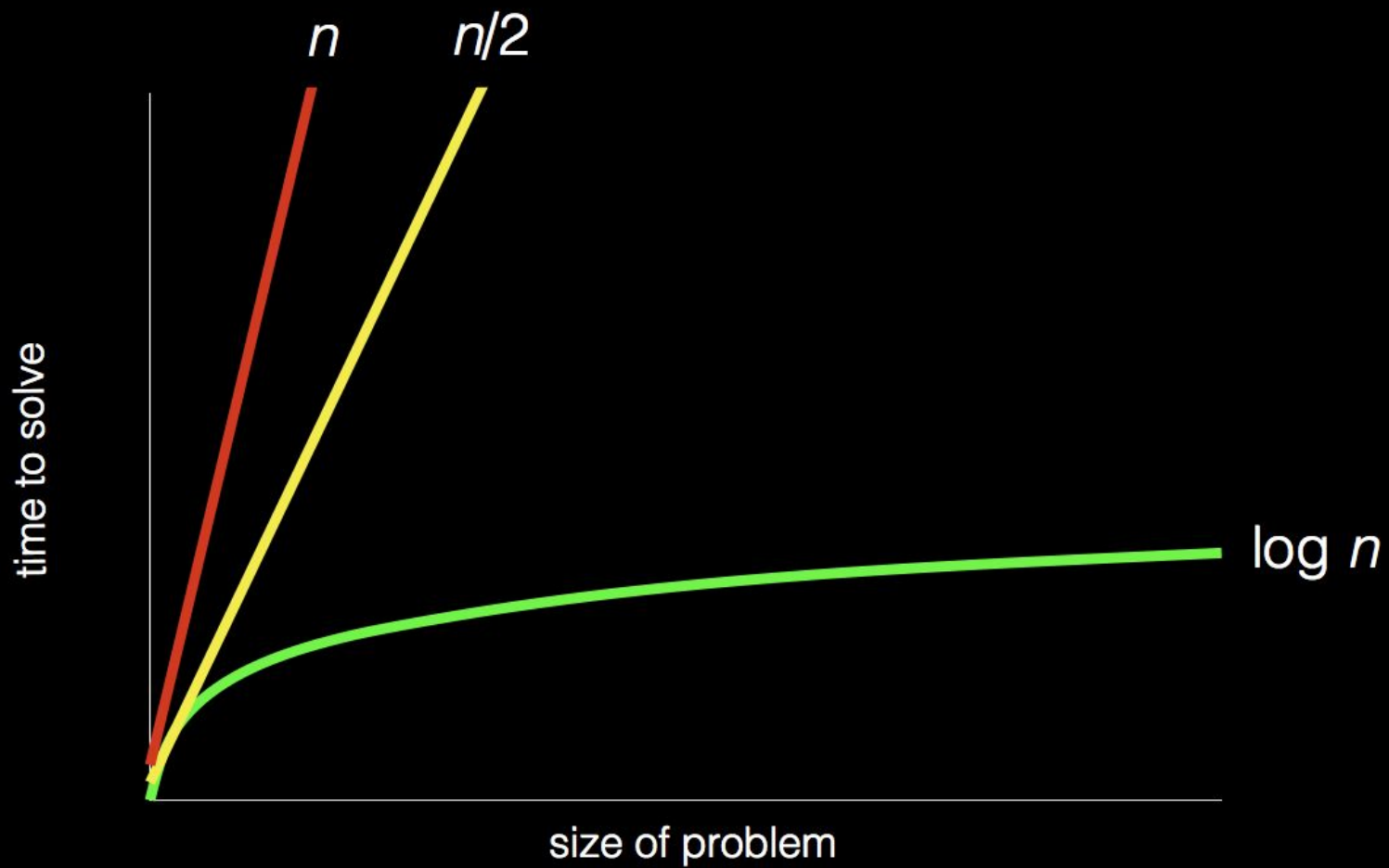
65







```
0  pick up phone book
1  open to middle of phone book
2  look at names
3  if Smith is among names
4      call Mike
5  else if Smith is earlier in book
6      open to middle of left half of book
7      go back to step 2
8  else if Smith is later in book
9      open to middle of right half of book
10     go back to step 2
11 else
12     quit
```





Week 1

```
#include <stdio.h>
```

```
int main(void)
```

```
{
```

```
    printf("hello, world\n");
```

```
}
```

01111111	01000101	01001100	01000110	00000010	00000001	00000001	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000010	00000000	00111110	00000000	00000001	00000000	00000000	00000000
10110000	00000101	01000000	00000000	00000000	00000000	00000000	00000000
01000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
11010000	00010011	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	01000000	00000000	00111000	00000000
00001001	00000000	01000000	00000000	00100100	00000000	00100001	00000000
00000110	00000000	00000000	00000000	00000101	00000000	00000000	00000000
01000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
01000000	00000000	01000000	00000000	00000000	00000000	00000000	00000000
01000000	00000000	01000000	00000000	00000000	00000000	00000000	00000000
11111000	00000001	00000000	00000000	00000000	00000000	00000000	00000000
11111000	00000001	00000000	00000000	00000000	00000000	00000000	00000000
00001000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000011	00000000	00000000	00000000	00000100	00000000	00000000	00000000
00111000	00000010	00000000	00000000	00000000	00000000	00000000	00000000

...

Week 2


```
#include <cs50.h>
#include <stdio.h>
```

```
int main(void)
{
    string name = get_string("Name: ");
    printf("hello, %s\n", name);
}
```

01111111010001010100110001000110
00000010000000010000000100000000
00000000000000000000000000000000
00000000000000000000000000000000
00000001000000000011111000000000
00000001000000000000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
10100000000000100000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
01000000000000000000000000000000
00000000000000001000000000000000
00001010000000000000000100000000
01010101010010001000100111100101
01001000100000111110110000010000
00110001110000001000100111000111
01001000101111100000000000000000
00000000000000000000000000000000
00000000000000001011000000000000
11101000000000000000000000000000
0000000001001000101111100000000
00000000000000000000000000000000
0000000000000000000000001001000

...

01111111010001010100110001000110
00000010000000010000000100000000
00000000000000000000000000000000
00000000000000000000000000000000
00000011000000000011111000000000
00000001000000000000000000000000
11000000000011110000000000000000
00000000000000000000000000000000
01000000000000000000000000000000
00000000000000000000000000000000
00101000001100100000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
01000000000000000111000000000000
00000111000000000100000000000000
00011100000000000001100100000000
00000001000000000000000000000000
00000101000000000000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
00000000000000000000000000000000
01011100001001010000000000000000
00000000000000000000000000000000

...

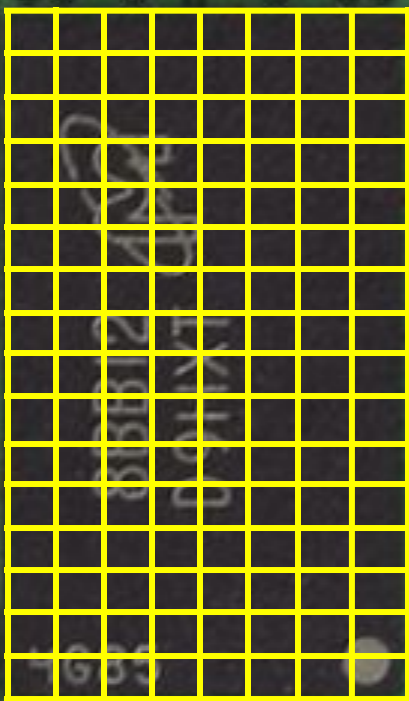
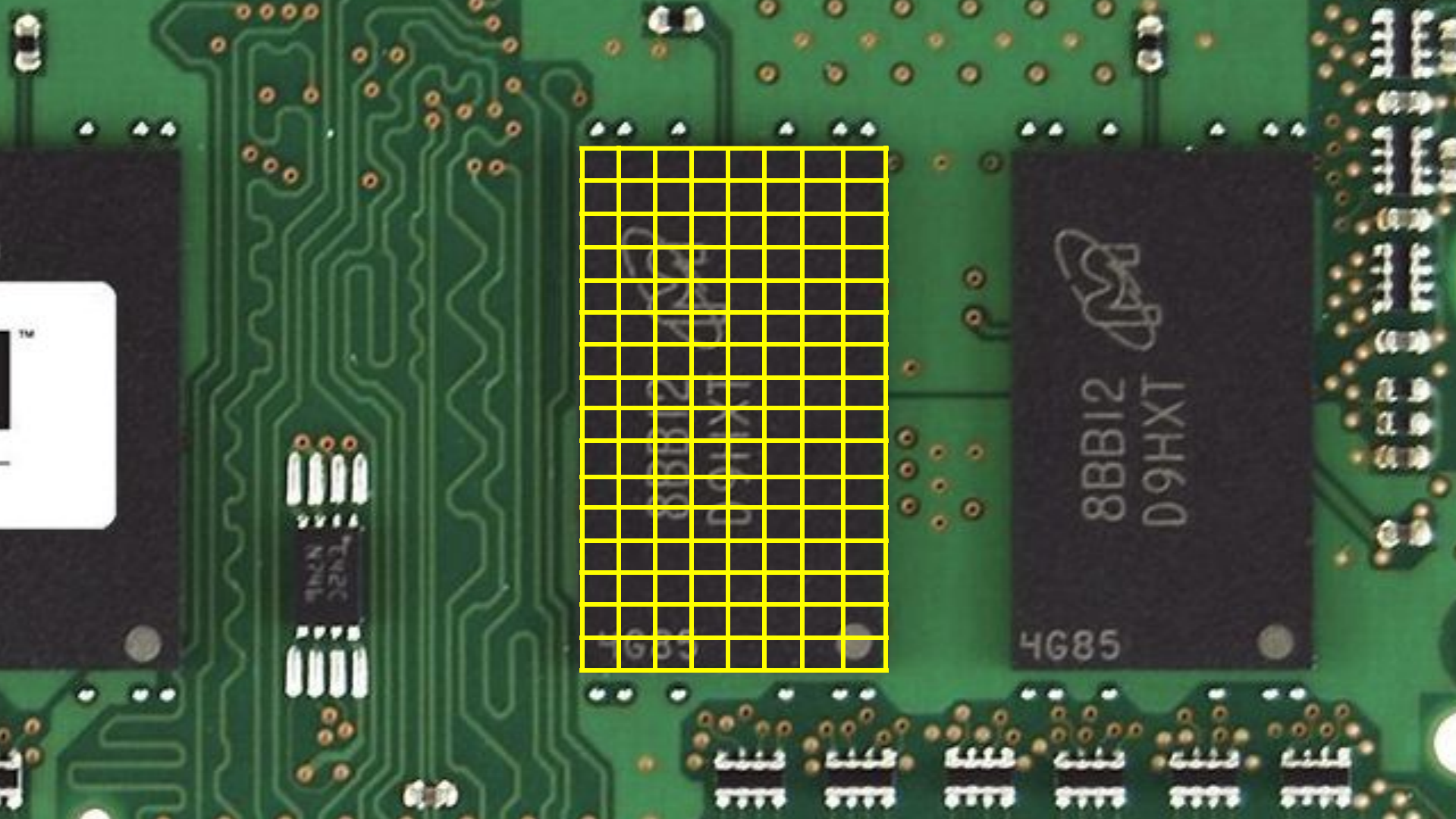
00101111011011000110100101100010
01100011001011100111001101101111
00101110001101100010000000101111
01110101011100110111001000101111
01101100011010010110001000101111
01111000001110000011011001011111
00110110001101000010110101101100
01101001011011100111010101111000
00101101011001110110111001110101
00101111011011000110100101100010
01100011010111110110111001101111
01101110011100110110100001100001
01110010011001010110010000101110
01100001001000000010000001000001
01010011010111110100111001000101
01000101010001000100010101000100
00100000001010000010000000101111
01101100011010010110001000101111
01111000001110000011011001011111
00110110001101000010110101101100
01101001011011100111010101111000
00101101011001110110111001110101
00101111011011000110010000101101
01101100011010010110111001110101
01111000001011010111100000111000
00110110001011010011011000110100

...

[illegible]







Week 3

string

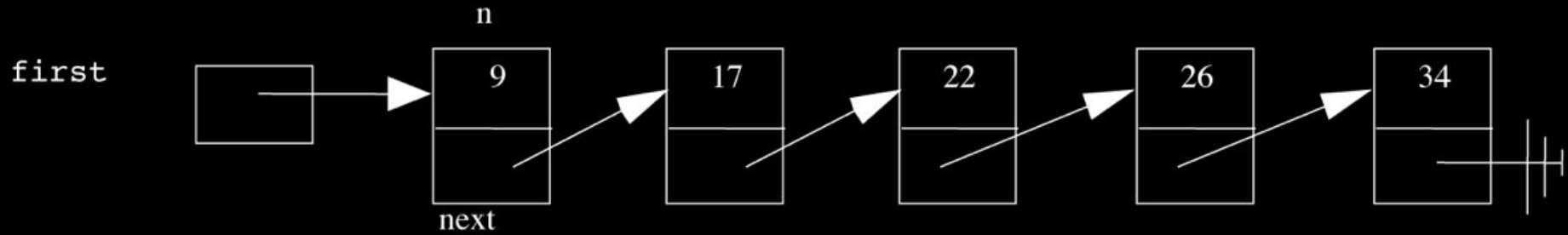
char *

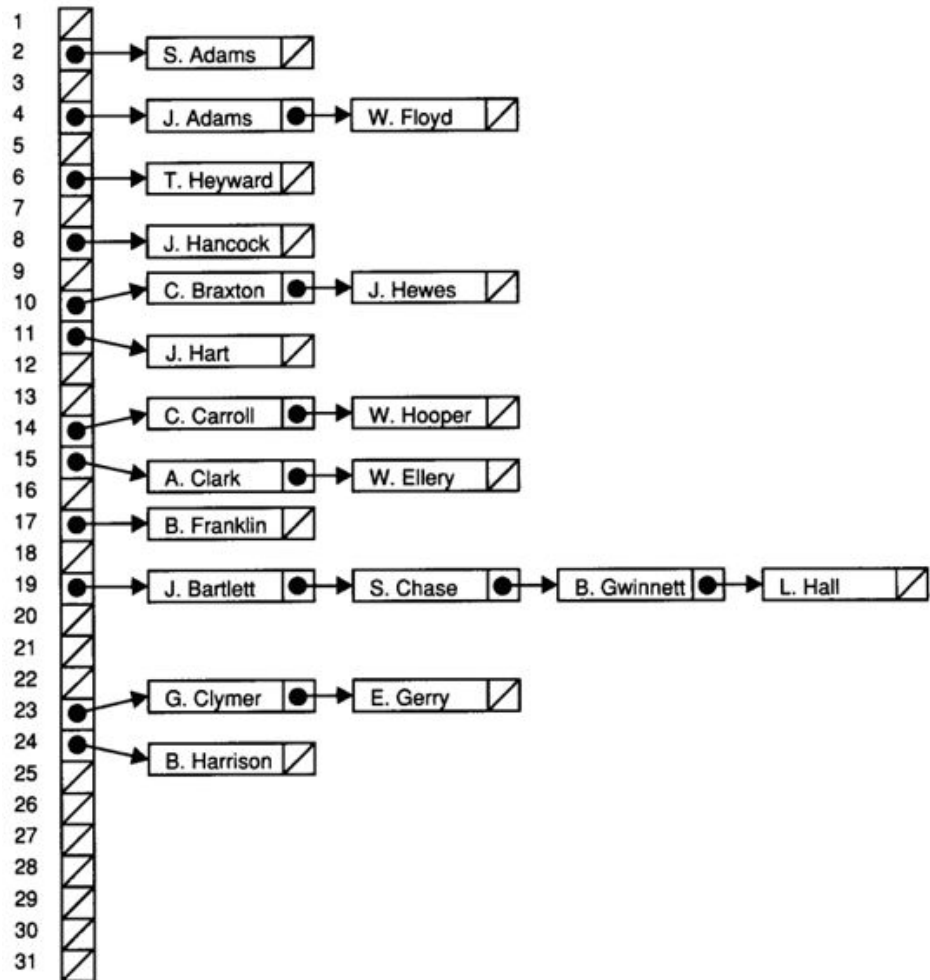
```
void swap(int *a, int *b)
{
    int tmp = *a;
    *a = *b;
    *b = tmp;
}
```



Week 4

```
typedef struct node
{
    int n;
    struct node *next;
}
node;
```





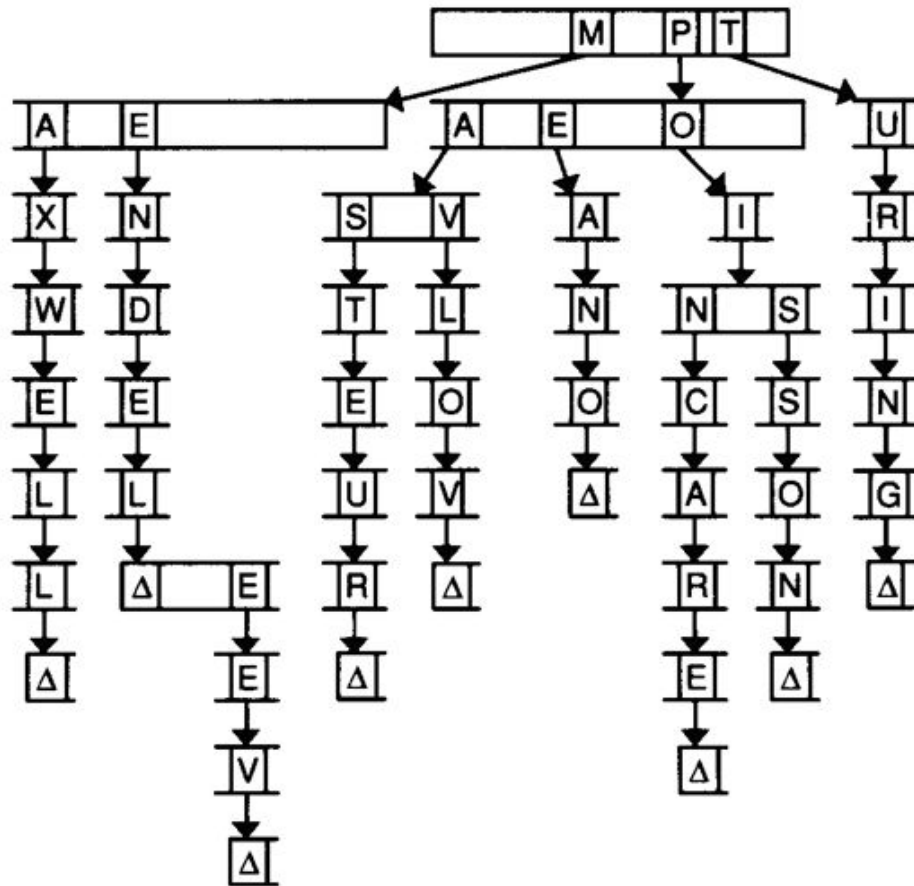
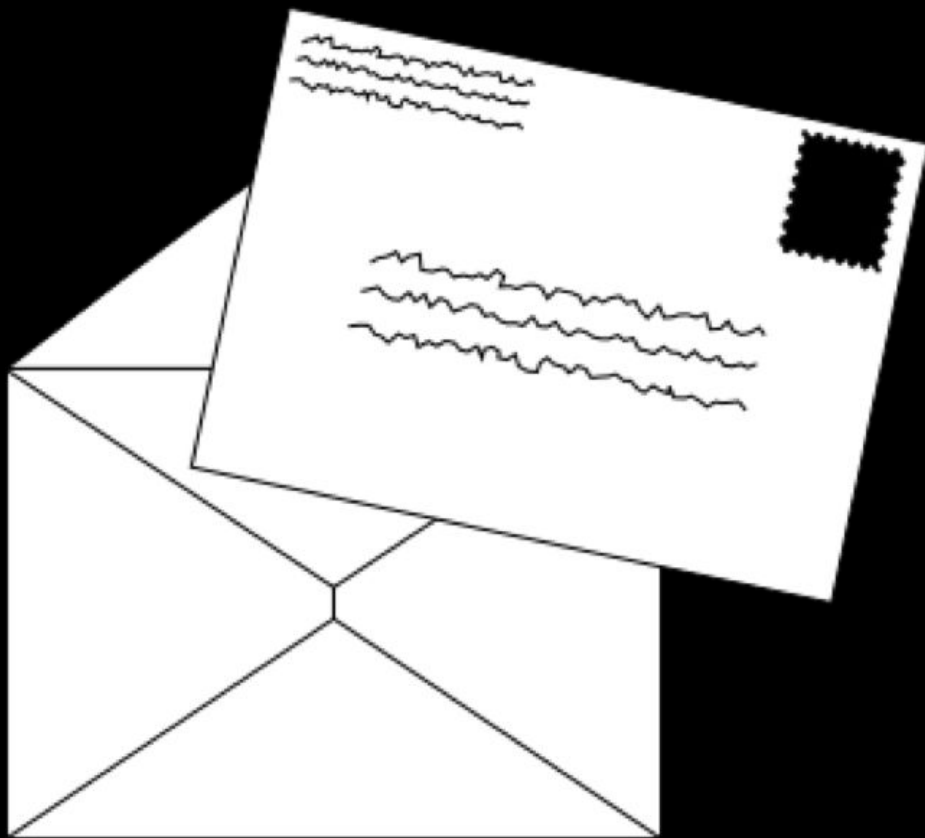


Figure from Lewis and Denenberg's Data Structures & Their Algorithms.

Week 5



GET / HTTP/1.1

Host: safetyschool.org

...

GET / HTTP/1.1

Host: www.harvardsucks.org

...



```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

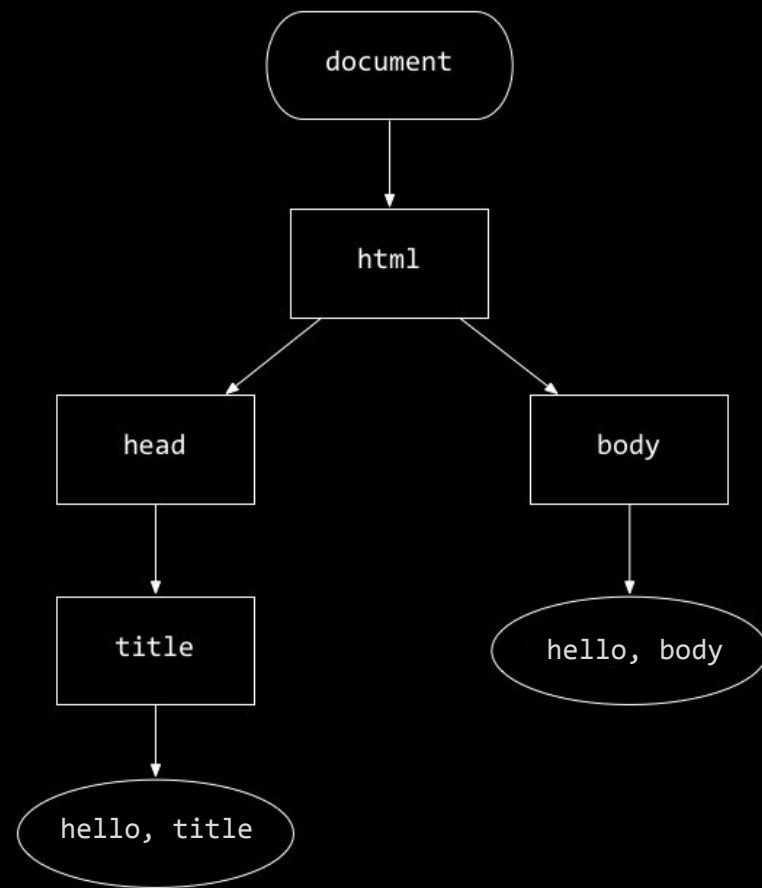
```
  </head>
```

```
  <body>
```

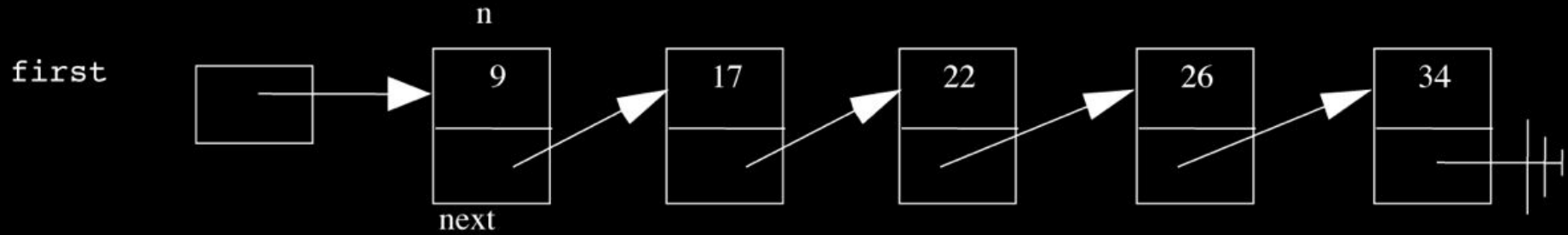
```
    hello, body
```

```
  </body>
```

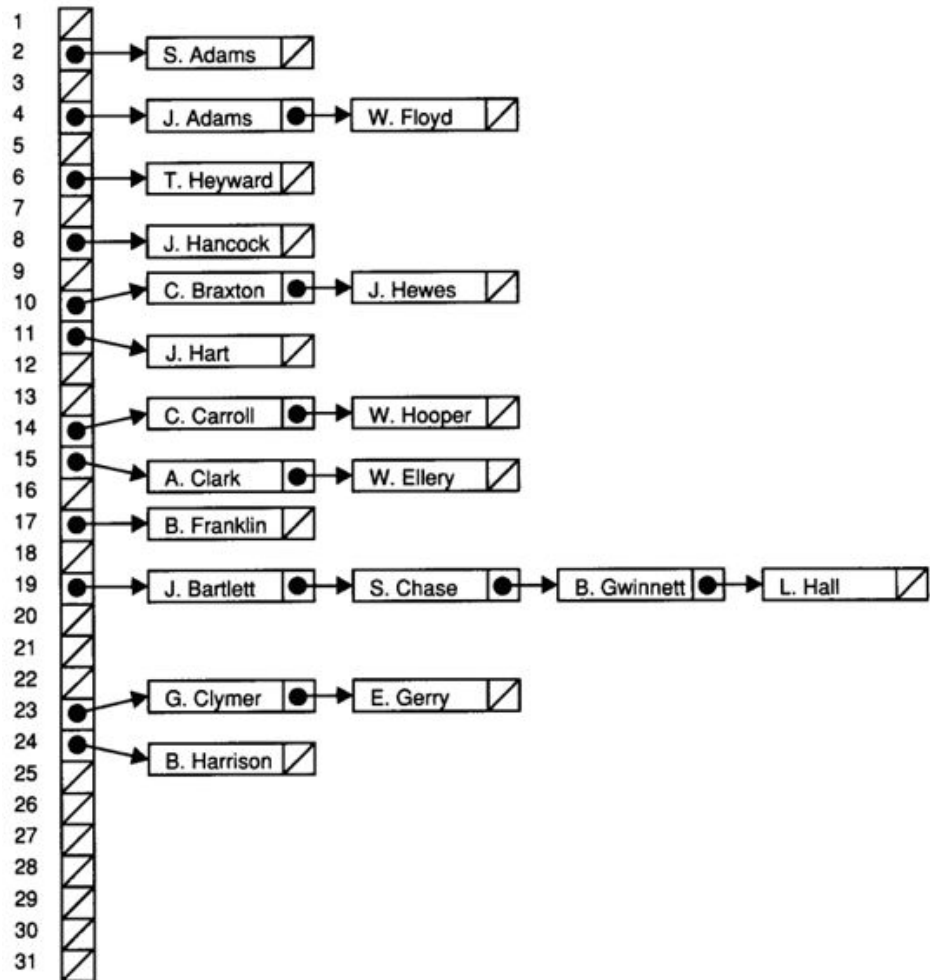
```
</html>
```



Week 6

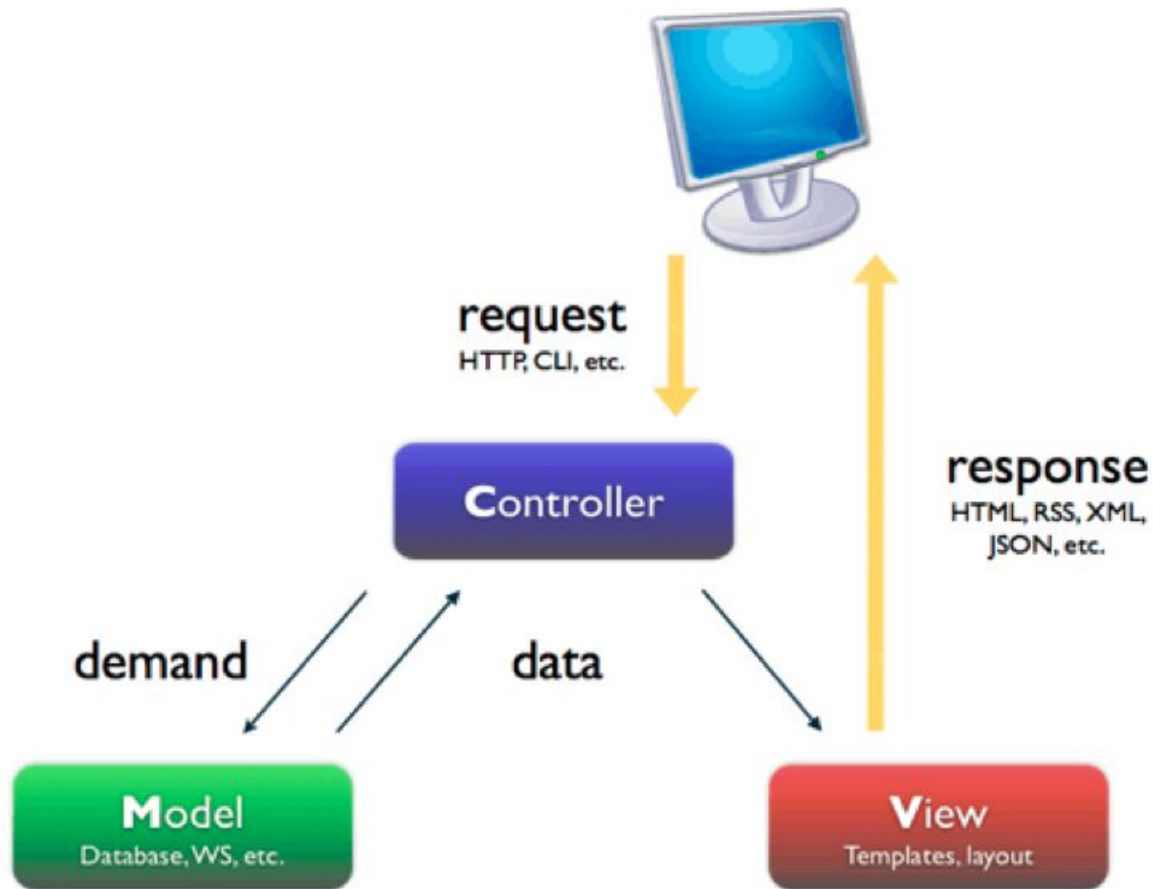


```
list()
```



```
dict()
```

Week 7



Week 8

CREATE ...

DELETE ...

INSERT ...

SELECT ...

UPDATE ...

...

CS50 Hackathon











CS50 Fair







CS50
STRESS BALL

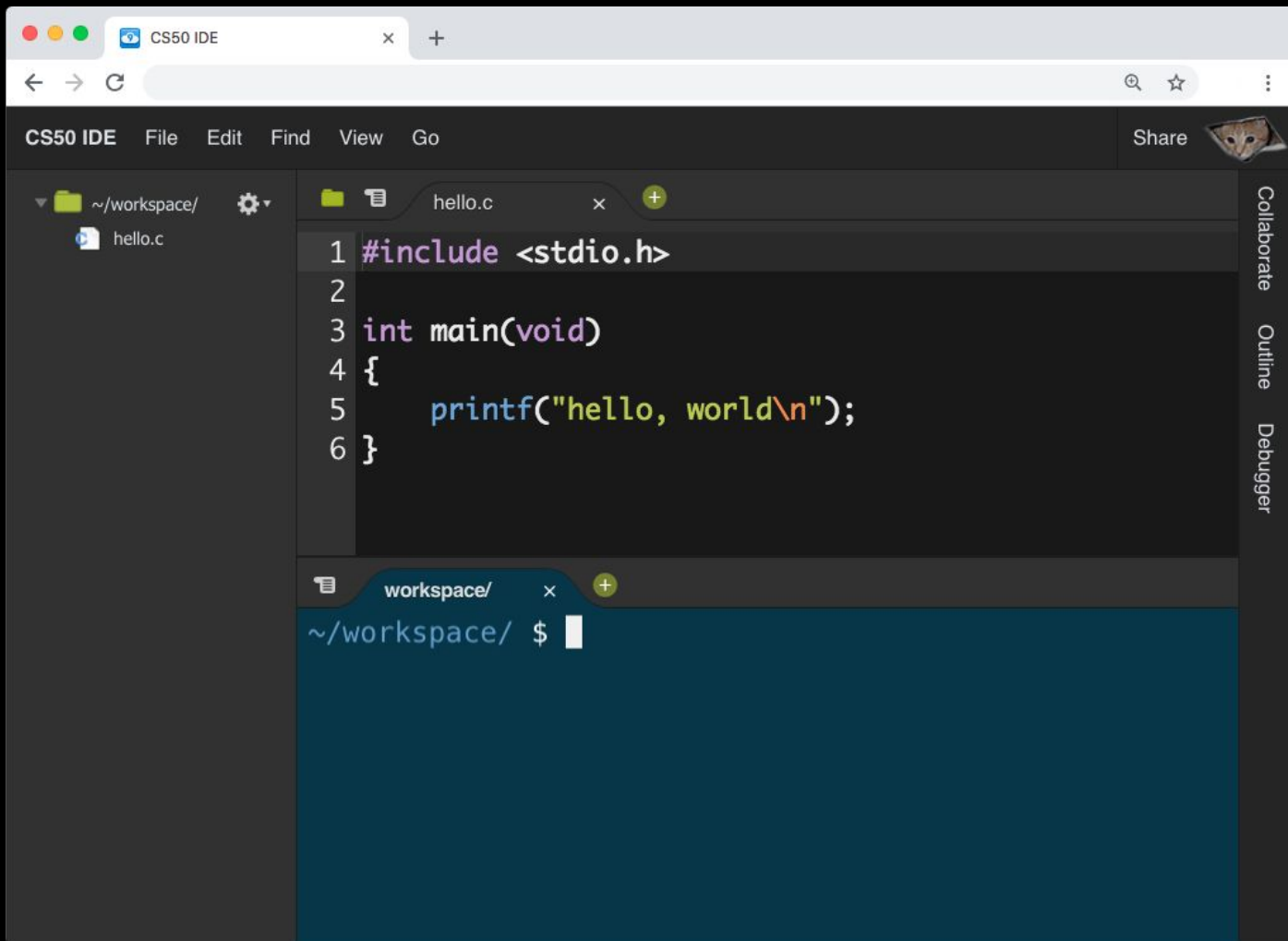








Life after 50



Install command-line tools

- <https://developer.apple.com/xcode/>
- <https://docs.microsoft.com/en-us/windows/wsl/about>

Learn Git

https://youtu.be/MJUU4wbFm_A

Install Git

<https://help.github.com/articles/set-up-git/>

Sign up for free private repos

https://education.github.com/discount_requests/new

Try Atom

<https://atom.io/>

Try VS Code

<https://code.visualstudio.com/>

Try Vim

<http://valloric.github.io/YouCompleteMe/>

Host a web site

- <https://pages.github.com/>
- <https://www.netlify.com/>
- ...

Host a web app

- <https://www.heroku.com/platform>
- <https://www.wix.com/code/home>
- ...

Host a web app

- <https://aws.amazon.com/education/awseducate/>
- <https://azure.microsoft.com/en-us/free/students/>
- <https://cloud.google.com/edu/>
- ...

Read lots

- <https://www.reddit.com/r/programming>
- <https://news.ycombinator.com/>
- <https://techcrunch.com/>
- <https://stackoverflow.com/>
- <https://serverfault.com/>
- <https://www.google.com/>
- ...

Stay in touch

- <https://www.reddit.com/r/cs50>
- <https://discord.gg/QYZQfZ6>
- <https://www.facebook.com/groups/cs50>
- <https://gitter.im/cs50/x>
- <https://www.instagram.com/cs50/>
- <http://www.linkedin.com/groups/CS50-7437240>
- <https://www.quora.com/topic/Harvard-CS50>
- <https://cs50x.slack.com/>
- <https://www.snapchat.com/add/cs50>
- <http://cs50.stackexchange.com/>
- <https://twitter.com/cs50>
- ...





JEOPARDY!





JEOPARDY!





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