#1 Control and Environments

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Roses are red Violets are blue While x < 61 Increment it by 2

NO ELECTRONICS ALLOWED IN CLASS?



Quiz Time

- Remove the last sheet of the discussion packet
- You may begin filling out the front (Sec: 113)

DO NOT start/look at the quiz until I start the timer

Fall 2017

Dogs or cats?

22 responses







Spring 2017

Dogs or cats?

33 responses





Fall 2016

Dogs or cats?

14 responses





Disc 0 Attendance: v.gd/jc_00

Control

The missing link for all of computer science*

* Statement not endorsed by CS 61A staff pls don't get me in trouble

Computers aren't so complicated



Storage





•

×

+



Booleans

- Basic operators
- Not negates
- And is truthy if both truthy
- **Or** is truthy if either is truthy

Booleans

Short circuiting

False and 1 / 0

Booleans

Short circuiting

False and 1 / 0 True or 1 / 0

if statement

```
1 if n > 10:
 print("Big")
2
3 elif n > 5:
 print("Medium")
4
5
 • • •
6 elif n > 0:
 print("Small")
7
8 else:
     print("Nothing")
9
```

if statement



```
1 if n > 10:
     print("Big")
2
3 if n > 5:
      print("Medium")
4
5
  • • •
 elif n > 0:
6
      print("Small")
7
 else:
8
      print("Nothing")
9
```

2

FizzBuzz

Write a program that prints the numbers from 1 to n. But:

- For multiples of three print "Fizz" instead of the number.
- For the multiples of five print "Buzz".
- For numbers which are multiples of both three and five print "FizzBuzz".

Fizzbuzz

```
1 def fizzbuzz(n):
   for i in range(1, n + 1):
2
           print_val = ''
3
           if i % 3 == 0:
4
               print_val += 'Fizz'
5
           if i % 5 == 0:
 6
               print_val += 'Buzz'
 7
           if not print_val:
8
               print_val = i
 9
           print(print_val)
10
```



Site Reliability Engineer Interview

Anonymous Interview Candidate



Positive Experience

Difficult Interview

Application

I applied through a recruiter. The process took 2 weeks. I interviewed at LinkedIn.

Interview

They reached out to me on LinkedIn and I was selected for a phone screen. After passing the phone screen they set you up to interview with two people that currently have your job. If you pass the first interview, which is more code based, they move you to the 2nd interview which is more systems based. I didn't get the job but learned a lot about how a good...

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Interview Questions

Asked about API calls and parsing data returned from them. Fizzbuzz.

→ Answer Question



They reached out to me on LinkedIn and I was selected for a p passing the phone screen they set you up to interview with tw have your job. If you pass the first interview, which is more co to the 2nd interview which is more systems based. I didn't get about how a good...

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→ Answer Question

Higher Order Functions

Higher Order Functions

Pass around functions like any other variable

- Function argument
- Return value

More possibilities for abstraction

Higher Order Functions Example from Lab 01

- 1 def compose_twice(f, x):
- 2 return f(f(x))
- 3
- 4 def square(x):
- 5 return x * x
- 6
- 7 compose_twice(square, 2)