

Python

I just
import libraries
to do stuff

C++

Libraries? I have to
implement my own classes!

C

Classes? I
only have functions!

x86

You guys
get functions?

Section 15

x86 Function Calls

CS 107A, Autumn 2021
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Don't forget to start recording



Unix Tip Spotlight

- Spooking your friends on the Myth machines via `write`
 - You and a friend must be on the same Myth machine
 - Can specify a Myth machine like

```
ssh adbenson@myth66.stanford.edu
```

- To initiate a message, `write <sunset>`
- Type into the terminal, and it'll be sent line-by-line to the other user
- `<CTRL+D>` to end (EOF)
- Kind of annoying, don't do if your friend is trying to make a deadline



Announcements

- 2nd round of 1:1s: <https://calendly.com/adbenson/cs107a-1-1>
 - Please don't make me chase you because I'm very tired
- Change of grading basis deadline is Friday
 - Attendance is updated
 - Reminder on attendance policy
- I'll schedule a couple more hours of OH over the weekend
- Please work on assign5 and start if you haven't already



Bird's Eye View

Day	Week 8 Monday	Tuesday	Wednesday	Thursday	Friday	Week 9 Monday	Tuesday	Wednesday
CS 107A		Section: x86 Function Calls		Optional Section: assign5 OH			Section: Implicit Heap Allocators	
CS 107	No Lecture		No Lab		Lecture: Managing the Heap	Lecture: Optimization		Lab: Code and Memory Optimization
CS 107 assignments						assign5 due, assign6 released		



Agenda

- Exploiting the guessme program
- nanobomb5



Section 15 Extra Code Exercises

```
git clone /afs/ir/class/cs107a/WWW/git/section15
```