Discussion 00

Getting Started

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Announcements 🔈

- HW 01 releases `Friday`, due next `Thursday`
- First lab next `Monday`

About Me

- Grade: Sophomore

- # Teaching Sem: 3

- Major: Computer Science

- Origin: Maryland

- Hobbies:
    - Basketball, Volleyball, Ping Pong
    - Board Games, Puzzles, Coding
    - Closet Weeb

Icebreaker

- **Goal:** Get into groups of (roughly) four!

- Sample Questions:
  - Name & Pronouns (if you want)
  - Grade & Major
  - What's your ideal day in Berkeley

- **Exchange contact information**!

- As a group, try to find as many things that everyone in your group has in common (cannot be related to college or classes; I know you're all taking 61a at Berkeley :))

Logistics - Discussions

- Discussion @ Soda 320
  - Thu 3:30pm → 5:00pm
- Structure
  - Review Material
  - Practice Problems Together (range in difficulty)
  - Place to ask questions!
- Worksheets can be found at `cs61a.org`
- Attendance
  - Recorded with Google Form
  - Must **attend** at least `10` Discussions (This one does **NOT** count)
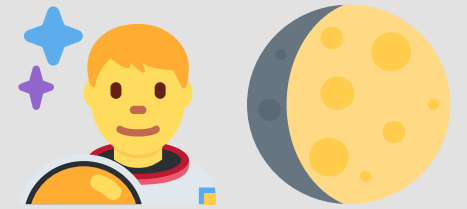
Logistics - Labs

- Lab @ Soda 271
  - Tu 3:30pm → 5:00pm
- Coding time 😈!
- Structure
  - Mini Lecture
  - Work on Lab
  - Learn with classmates + help from me (and AIs)
- Attendance
  - Must **attend** at least 10 labs (Lab 00 does not count for participation)
  - More information later on finishing lab before section for attendance

Logistics - Course

- Homework (11)
  - Released on `Friday`, Due `Thursday`
  - Scored on correctness (partial credit awarded)
  - Lowest score dropped
- Lab (12)
  - Released `Monday` Due `Wednesday`
  - Scored on completion
- Projects (4)
  - Released throughout course
  - Can work with partner
- Submitting Assignments -> `Gradescope`

Lost On the Moon 🧑‍🚀🌘

Lost On the Moon

Your spaceship has just crashed on the moon. You were scheduled to rendezvous with a mother ship 200 miles away on the lighted surface of the moon, but the rough landing has ruined your ship and destroyed all the equipment on board except for the 15 items listed below. Your crew's survival depends on reaching the mother ship, so you must choose the most critical items available for the 200-mile trip.

Your task is to rank the 15 items in terms of their importance for survival. Place a number 1 by the most important item, number 2 by the second most important, and so on, through number 15, the least important.

- 5 min by yourself
- 10 min in groups of 4

NASA Rankings

Ranking	Item	Ranking	Item
1	Oxygen	9	Self-inflating Life raft
2	Water	10	Signal Flares
3	Stellar Map	11	Pistols
4	Food Concentrate	12	Dehydrated Milk
5	FM Receiver/Transmitter	13	Heating Unit
6	Nylon Rope	14	Magnetic Compass
7	First-aid Kit	15	Matches
8	Parachute Silk		

About 61A

- Introductory CS class at Berkeley (not really)
  - Typically difficult for those with no programming experience
  - Consider taking Data 8/CS 10
- Course Staff
  - **Instructors/Professors** - Lectures, Exams, OH
  - **TA's** (aka GSI's, uGSI's) - Sections, course logistics, OH
  - **Tutors** - Extra tutoring sessions, OH
  - **Academic Interns** - Lab assistants
- Python + Scheme + SQL

Advice

- Marathon, not a Sprint
  - Start early on all assignments
  - Study Group!
  - Don't be afraid to ask for help
- Resources
  - Discussion/CSM
  - Denero Videos
  - Office Hours
  - Past Exams & Video Walkthroughs
  - EdStem
  - Extensions

Advice

- You are not in this alone!
  - I know what's it like to struggle in this class am here for y'all 😁
  - Email me for any 61a course related advice or anything in between - I'll try to respond within 24 hours, or send a follow-up if I don't.

An Exciting Time

Yes... 61a can be very stressful, but with the knowledge you gain from this class, you can do

this and become this meme

or this and make your friends proud

maybe this and ruin your sleeping schedule and finals studying at the same time

but more generally, 61a is the beginning of y'all being able to translate all of your cool ideas into actual programs!

Thank you!

Attendance Form -> `https://teaching.aditbala.com` **[disc00] ->**
attendance

Anon Feedback -> `https://tinyurl.com/adit-anon`