Welcome to CS 61A
About the Course
**Parts of the Course**

**Lecture:** Videos posted to [cs61a.org](http://cs61a.org) Sunday, Tuesday, & Thursday @ 5pm

**Lab:** The most important part of this course (**next week**)

**Discussion/Tutorials:** The most important part of this course (**this week**)

**Staff office hours:** The most important part of this course (**next week**)

**Online textbook:** [http://composingprograms.com](http://composingprograms.com)

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Morning</strong></td>
<td>Lecture Q&amp;A</td>
<td></td>
<td>Lecture Q&amp;A</td>
<td></td>
<td>Lecture Q&amp;A</td>
</tr>
<tr>
<td><strong>2pm</strong></td>
<td>Lab Intro</td>
<td>Try the homework</td>
<td>Discussion Intro</td>
<td>Finish the homework</td>
<td></td>
</tr>
<tr>
<td><strong>Later</strong></td>
<td>Finish the lab</td>
<td></td>
<td>Tutorials</td>
<td></td>
<td>Projects are due Fridays</td>
</tr>
</tbody>
</table>

Projects are due Fridays
Asking Questions

Piazza: All staff (private posts) and students (public posts)

cs61a@berkeley.edu: Head TAs and both instructors

Lecture Q&A with the instructors: Monday, Wednesday, & Friday mornings
denero@berkeley.edu or hfarid@berkeley.edu: Often the slowest option
cs61a.org: Self-service answers to many questions
An Introduction to Computer Science
What is Computer Science?

- What problems can be solved using computation,
- How to solve those problems, and
- What techniques lead to effective solutions

The study of...

Systems
- Artificial Intelligence
- Graphics
- Security
- Networking
- Programming Languages
- Theory
- Scientific Computing

Decision Making
- Robotics
- Natural Language Processing

Answering Questions
- Translation
- ...

...
What is This Course About?

A course about managing complexity

Mastering abstraction

Programming paradigms

An introduction to programming

Full understanding of Python fundamentals

Combining multiple ideas in large projects

How computers interpret programming languages

Different types of languages: Scheme & SQL

A challenging course that will demand a lot of you
CS 10: The Beauty and Joy of Computing

Designed for students without prior experience

A programming environment created by Berkeley, now used in courses around the world and online

An introduction to fundamentals (& Python) that sets students up for success in CS 61A

Course Policies
Course Policies

Learning

Community

Course Staff

Details...

https://cs61a.org/articles/about.html
Collaboration

Asking questions is highly encouraged

- Discuss everything with each other; learn from your fellow students!
- Some projects can be completed with a partner
- Choose a partner from your discussion section

The limits of collaboration

- *Please* don't look at someone else's code!
  Exceptions: lab, your project partner, or after you already solved the problem
- *Please* don't tell other people the answers! You can point them to what is wrong and describe how to fix it, but don't tell them what to type, and don't type for them
- Copying project solutions causes people to fail the course
- We really do catch people who violate the rules, and we're getting better at it.

Build good habits now
Functions, Values, Objects, Interpreters, and Data

(Demo)
What happens next?

- Tutorials will meet today, starting now: tutorials.cs61a.org
- Watch Friday lecture videos Thursday or Friday (Posted to cs61a.org by 5pm Thursday)
- Optional: Lecture Q&A 9:10am Friday (will be recorded)
- Optional: Instructor "Ask Us Anything" session 2:10pm–3pm Friday 8/28 (no recording)
- No lab or discussion until next week
- We're done!