

Welcome to

CS 146 - section 5 and 6

Data structures and Algorithms

with Prof Lam

Today

- Administrivia
 - prerequisites
 - Syllabus
- What are algorithms, what are data structures?
- Who am I?
- Who are you?

Prerequisites for CS 146

- Math 42 or discrete math
- Math 30 or calculus 1
- CS 49 J or Java
- CS 46 B or intro to data structures
- all with C- or better

Enrollment priority

1. Graduating seniors with gold cards
2. CS and SE majors
3. CS and SE majors repeating the course
4. undergrads from other majors
5. Open-University students

Students who do not show up for the first 2 class meetings may lose their seat (if enrolled) or priority (if on the waitlist)

For next time,...

- Bring printed documents verifying your pre-reqs
 - Transcripts with your name on it (unofficial okay)
 - for community college courses: course equivalency from assist.org
 - for courses taken in another country: talk to me
 - For graduating seniors: gold cards
- Please staple everything together

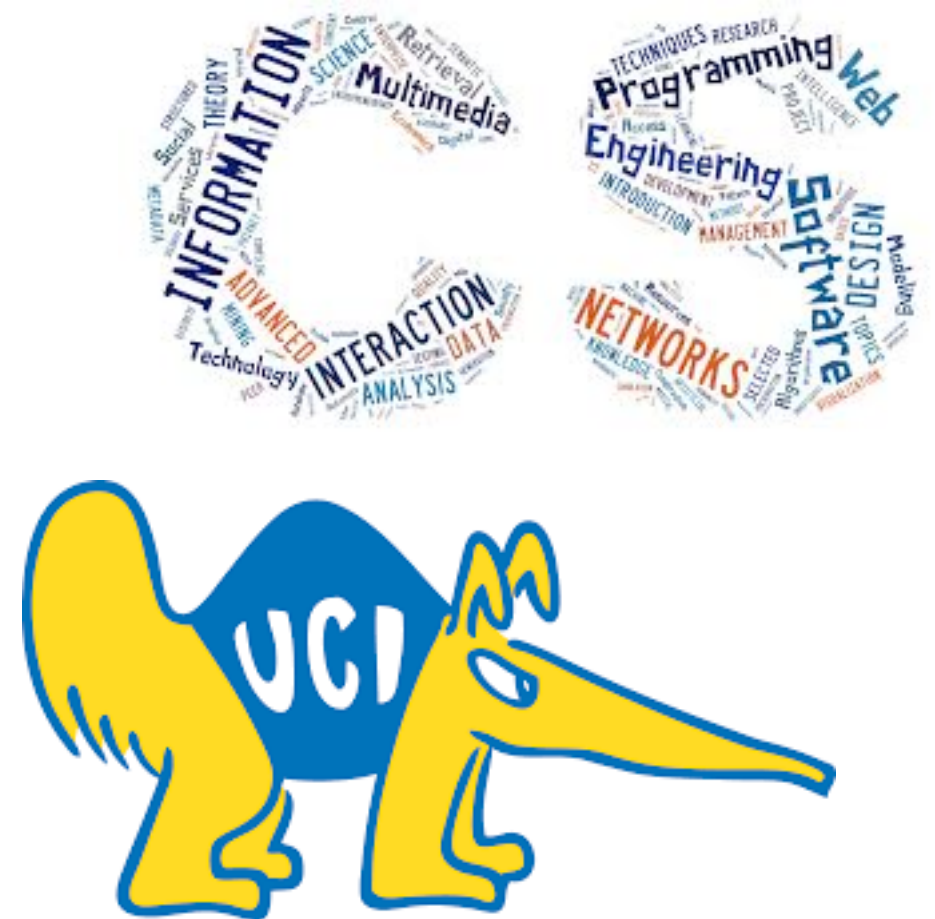
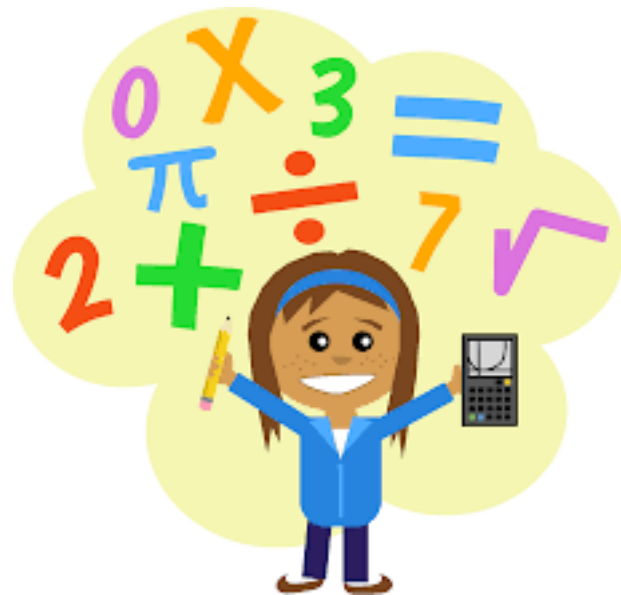
Course stuff

- Course page: www.jennylam.cc/courses/146-s17
- Contact: jenny.lam01@sjsu.edu
- Canvas: for homework submission and grades only

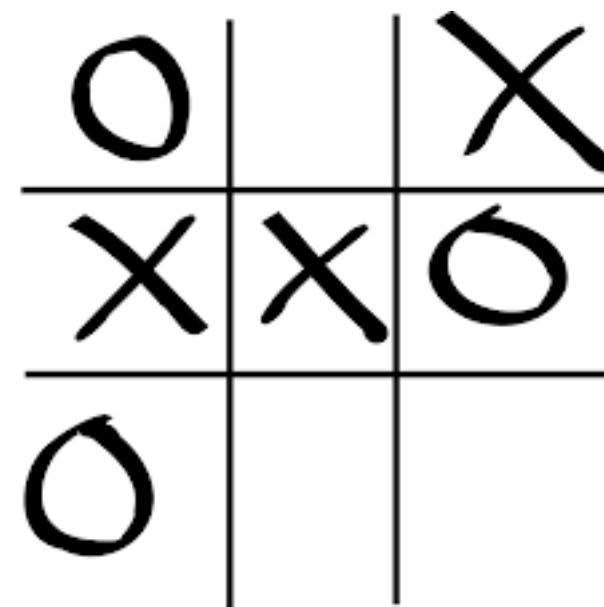
What are algorithms?

What are data
structures?

Who am I?



My first program



Who are you?

1. Name
2. Enrollment status / level: eg senior, open university
3. major (and intended major if applicable)
4. What do you want to be when you grow up?
5. Anything you would like to share to help the instructor help you to succeed (eg academic load, work, family responsibilities, learning styles/needs)
6. What's one of the most interesting things you learned from a prior CS course?
7. What about from a course outside CS?

Next time

- bring pre-requisite docs (4th slide)
- find a (brute-force) algorithm for the factorization problem, and analyze the running time.
- Who are you? (answer the questions of the previous slide)