A few words about Code Reviews
Code Reviews start this week! *

- *(with high likelihood, your mileage may vary, etc.)

- Watch your email tonight.
- Bring a laptop.
  - And display adapters as necessary
- Be ready to present your code.
Your job when presenting

- **Manage time:** *be prepared!*
  - 2 hours / 6 students = 20 minutes
  - Need time to present and for feedback / questions

- **Focus on what is important:**
  - What is on the rubric? Be sure to show those things.
  - Focus on what is new in each assignment.
  - What did you need to improve from last time? Show fixed.

- **View this as a learning opportunity, not an evaluation:**
  - Try not to be defensive; take suggestions to heart.
    - But don’t overweight one-off comments. ‘Grain of salt’
  - I know this is hard.
Your job when others are presenting

- Pay attention. Participate! Respectfully.
- What can you learn from their implementation?
  - What idea is in their code that you could later in life?
  - It is okay to ask questions.
    - Why did you choose to use recursion over iteration in function X?
- What feedback can you give to your fellow students?
  - Make sure that your intention is to help them.
  - Be modest. Not everything you think is true may be true
    - Learning can happen when others disagree with your suggestions
- Be sure to respect their time.
How to give constructive criticism?

- Embed criticism within praise: “sandwich method”
  - “I like your structure, but the 2nd loop seems overly complex.

- Focus on the code not the person:
  - **NO** “You always write loops that are too large”
  - **YES** “I feel that this loop is larger than it has to be”

- Use first person statements: *state as opinions not facts.*
How to give constructive criticism? (cont.)

- Be specific with your feedback:
  - **NO** “I think the names of your variables are bad”
  - **YES** “The variable name ‘temp’ doesn’t show its intent”

- Give actionable feedback:
  - “I would suggest simplifying the code by pulling out lines 42-57 into its own function that is called from the loop.”
Everyone in this class was admitted to CS

- Your (and others’s) admission was not a mistake

- You all are expected to graduate and succeed
  - This will take work on your part, but you can do this.
Computing Needs Diversity

- Computing is going to be deployed in society in every aspect of industrial and personal needs.
  - We need people from every part of society to make sure it is done in a way that meets all of society’s needs

- Diverse groups are more innovative.
  - “This is not only because people with different backgrounds bring new information. Simply interacting with individuals who are different forces group members to prepare better, to anticipate alternative viewpoints and to expect that reaching consensus will take effort.”
Expectations in CS

- Don’t make discriminatory remarks.
  - Discrimination is about putting people down and keeping them down so we can more safely exploit them in future. Or, so they will not compete with us. Or, simply to feel superior.
  - There is no excuse for it.
  - Not even in “private”; don’t normalize this behavior.

- Call out other people when they make discriminatory remarks
  - Make it clear to others that such behavior is unacceptable.
  - Especially if you are not part of the targeted group.
  - Be a positive force.