CSSE 304 Day 03 Summary and a place for your notes

Main ideas from today:

1. Course and instructor intros. A place for notes:

- 2. (largest-in-list lon)
 - a. First version in slides uses cond and max.
 - b. Second version is more efficient and shows how we could do it if **max** were not available.
 - c. Third version uses accumulator and calculates largest on the way into the recursion (like fact-acc)

- 3. A **relation** is a set of ordered pairs; the set of all first elements is the **domain**. The set of all second elements is the range.
 - a. We represent a relation by a list of 2-lists. A 2-list is a list whose length is 2.
 - b. A **reflexive pair** is a 2-list whose first and last elements are the same.
 - c. count-reflexive-pairs (work it out live)