LW: Stringstream

# Objectives

* Read from a file
* Use a stringstream

# Starter Code

[Get starter code.](https://drive.google.com/drive/folders/1NTa1mHRAvUeaz4kNgt1wm2rIKM8nL0oI?usp=sharing)

# Demonstrate Completion

* Show autograder submission with at least 60 points.
  + Work with others in your group, but submit individually.
    - After the lab, we suggest completing the additional challenges to help study for the exam.
  + Turn in all the starter code files to the autograder (max\_donations.cpp, largest\_num\_donation.cpp, max\_single\_donation.cpp).

# What to do

## Understand the Problem (max\_donations.cpp)

Students in a class competed for who could get the most donations. However, the winner cannot have a single donation. The students’ various donations are recorded in a file with their UIN followed by a list of the donations. The student with the highest donation total is the winner.

If there are no donations, then the output will be “No donations.”

### Additional challenges:

* The student with the highest single donation also gets a prize. (max\_single\_donation.cpp)
* The student with the largest number of donations also gets a prize. (largest\_num\_donation.cpp)

### Input Files

The input files looks like this:

123004567 12.50 75 107.50 5 11.33

987006543 22.15 58 222.22

444005555 987

## Analyze and Plan

What are the steps involved?

How would you do it by hand?

What is the algorithm / process to do this in code?

## Implement

Write the code.