Notes from Lab

Test your foundational classes first

if your Stack/Queue didn't work, nothing else COULD

Debug

Set breakpoints and look at variable values

Where/when do things go bad

Stop staring at the code - run it! if you could LOOK at it and find the error, you probably wouldn't have made the error in the first place

Files and Arrays

Reading from files into structures

Files and arrays

Processing a file:

Do you need the data more than once? or can you just process and move on?

Read a file of values and find largest?

Read a file of values and find average?

Storing the data

Usually some sort of array

Remember - arrays are fixed length...

Files and Arrays

Initializing a student phonebook with names and numbers of each student?

Plan A (not good)

String[] names;

String[] phone;

"Parallel" arrays - not good!

Plan B (preferred)

Class Student

StudentInfo[] student;

Files

Read text file of x,y into coordinates for use in setting up a "map" based game

Read text file of names and grades for various statistical analysis (Average, Median, Std Dev)

Read and plot hurricane tracking data

6