

# Finishing Stacks and Queues

2-11-2011

# Opening Discussion

- Do you have any questions about the assignment?

# Array Based Stack

- Let's write a trait called MyStack with the methods we said should be in it. Make the interface generic so it can handle any type.
- Now let's write a class called ArrayStack and make it implement MyStack. Fill in the code for ArrayStack and add a main method to test that they work.
- To use the parametric array we need to type A to allow a Manifest.

# Array Based Queue

- Now we will do the same thing for a queue. Make a MyQueue trait and an ArrayQueue class.

# Other Code

- One of the most standard applications of a stack is a reverse polish calculator (RPC).
- Let's make a class for a RPC then make a command that will use it.
- Queue of commands for networking.

# Minute Essay

- What questions do you have about stacks and queues?
- Assignment #1 is due on Monday.