Today

Sorting
Short Questions?
Quiz
Project 7

Questions?
Sort Example #1

Write a method that takes as input an array of ints that are already in sorted in ascending order, and another int. This method returns an array of ints that is one larger in size than the input array, and contains all of the ints (including the new one) and is sorted in ascending order.
You just implemented the inner loop of the *insertion sort*
Sorting Example #2

Use the previous method to implement a new method that takes as input an array of ints and returns a new array with the ints sorted in ascending order.
Write a method that takes as input two arrays of ints that are already sorted in ascending order. This method returns a single array containing all of the ints in sorted order.
You just implemented the key part of **merge sort**
Wrap Up

Due:
• HW 8: due Thursday
• Project 7: due Thursday, Nov 20
  • This is a much bigger project than previous ones!
  • There will be no project 8 (only 9)

Next time:
• More sorting