Today

Primitive arrays, loops and method calls

Short Questions?

Quiz

Projects 5 & 6

"Right-sized" vs "Over-sized" Arrays

"Right-sized" vs "Over-sized" Arrays

Right-sized:

- Always have all of the "slots" filled

- Have to create a new array every time we add/remove an element

Oversized:

- Often have more slots that are actually being used

- Don't have to continually create new arrays as we add/remove elements

- Have to keep track of how many slots are being used at any given time

Arrays: Example 1 (last time)

Write a method that takes as input an array of ints and an index of an element to remove & returns a new array with that element removed.

Assume a "right sized" array

Arrays: Example 2

Write a method that takes as input an array of ints and an int to add to the array, and returns a new array that contains all the original elements and the new element.

Quiz

Arrays: Example 3

Write a method that takes as input an array of Strings and splits the Strings into groups of 3. This method returns the resulting array of array of Strings

Arrays: Example 4

Write a method that takes as input two Strings and determines whether the 2nd string is contained in the 1st. If so, then the starting point in the 1st string is returned. If not, -1 is returned

- "foobarbaz", "bar" -> 3
- "foobarbaz", "foobaz" -> -1

Wrap Up

Due:

- Project 5:Tuesday

- HW 7: Thursday

- Project 6: due next Tuesday

Next time:

- More nested loops