Announcements

- Next time Demos
  - you will demo your project
- Next Thursday, Java and review for Final
- Read Chapter 11 for next Thursday
  - reading quiz for Chap. 11 due next Thursday
- Today – continue arrays in Chap 10
  - Arrays of numbers.

An array of numbers

- Given an array of Duke Student info, can calculate lots of info:
  - Each student’s GPA
  - Highest GPA and rank students
  - Number of credits needed to graduate
  - Whether taking an overload or underload
  - Whether have enough Foreign language credits

Create an array of Numbers

- Create an array variable
- Enter values
- Array is created!
Problem: Compute average of array of numbers

- Function – return the average
- Parameter – an array of numbers
  - Want it to work for any array
  - Note, don’t add elements!

How do we compute the average?

- What kind of loop do we use with arrays?
- How do we know the number of elements in the array? Drag and drop “Numbers”

Write the code for average

Classwork today

- Write a function to return the maximum number in an array. The function should have one parameter that is an array of numbers.
- Write a function to return the number of values in a given range. The function should have three parameters: an array of numbers, a minimum value and a maximum value for the range.