values = 68, 35, 29, 14, 8, 84, 27, 14, 59, 43, 21, 92, 63,

fewValues = 11, 22, 24, 67, 8, 32

Prof. Susan Rodger
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.