## H04-S12-CS56 page 1

First name (color-in initial)	А	В	С	D	E	F	G	Н	I	J	κ	L	М	N	0	Р	Q	R	S	Т	U	V	V	V	Y	z	<u>,                                    </u>	section (9,10,or 11)	first name initial	last name initial
Last name (color-in initial)	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	s	Т	U	V	v	V	Y	z	2			

## H04: Due Wednesday 04.11.2012 in Lab. Total Points: 50

MAY ONLY BE TURNED IN DURING Lab ON Wednesday 04.11.2012, or offered in person, for in person grading, during instructor or TAs office hours

See the course syllabus at https://foo.cs.ucsb.edu/56wiki/index.php/S12:Syllabus for more details.

(1) (10 pts) Fill in the information below. Also, fill in the A-Z header by

- coloring in the first letter of your first and last name (as it would appears in Gauchospace),
- writing either 9,10,11 to indicate your discussion section meeting time
- writing your first and last initial in large capital letters.

All of this helps us to manage the avalanche of paper that results from the daily homework.

name:	
umail address:	@umail.ucsb.edu

## **Reading Assignment:**

- Review Chapter 5 in HFJ, p. 95 -124.Extra Strength Methods (and reading notes: HFJ:Chapter\_5
- Read Chapter 6 in HFJ, p. 125 -164. Using the Java Library and reading notes: HFJ:Chapter\_6

(2) (6 pts) Assuming a class called Student exists, write a line of java that makes a plain old Java array of Student references of size 5. (Don't allocate the Student objects, just the array of references, initially null).

(3) (6 pts) Assuming a class called Student exists, write a line of java that makes an ArrayList of Student references. (Don't allocate the Student objects, just the ArrayList, initially empty).

(please turn over for more)

(7) (6 pts) Based on your reading in HFJ Chapter 5: Java 1.5 introduced a new (to Java) kind of for loop sometimes called a "foreach" loop (even though foreach is not a keyword in Java)—your textbook calls it the "enhanced for loop". HFJ provides an overview of this kind of loop on p. 105 and 116. Write a few lines of code that declare an array of five integers, initializing them to the first five prime numbers (you can use a literal array initializer here—you don't need to write code to compute the prime numbers), and then write a foreach type loop that iterates through that array printing out the values, one on

each line.