

First name (color-in initial)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	section (2,3,or 9)	first name initial	last name initial
Last name (color-in initial)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z			

# H04: Due Thu/Fri 01.19/01.20 in your ASSIGNED Lab Section.

## Total Points: 50

MAY ONLY BE TURNED IN DURING THE CLASS INDICATED ABOVE, 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/W12:Syllabus> for more details.

### Reading Assignment:

- Review HFJ Chapter 4 and reading notes at HFJ:Chapter\_4
- Read Chapter 5 in HFJ, p. 95 -124.Extra Strength Methods (and reading notes: HFJ:Chapter\_5)

(1) (5 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 2, 3 or 9** 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:	
uemail address:	@uemail.ucsb.edu

(2) (5 pts) Write a few lines of code that demonstrate how to take a integer value that is in a String, and convert it to an integer value in an int variable. You can find an example of this in Chapter 5.

(3) (5 pts) (From Chapter 5) Write a few lines of code that demonstrate how to choose a random number between 0 and n-1 (assume that n is an int variable that has been assigned some value greater than or equal to 1).

(4) (10 pts) Based on your reading in HFJ Chapter 4, consider the following Java code.

Contents of <code>Student.java</code>	Contents of <code>StudentTestDrive.java</code>
<pre>class Student {     private int perm;     private String name;      public int getPerm() {         return perm;     }     public String getName() {         return name;     } }</pre>	<pre>public class StudentTestDrive {     public static void main (String[] args) {         Student s = new Student() ;         System.out.println("Student's perm is " + s.getPerm() ) ;         System.out.println("Student's name is " + s.getName() ) ;     } }</pre>

- Will this code produce an error message, when compiled with `javac *.java` and if so what? (I don't need a detailed character by character account of the error message—just a general description of what the error is will be sufficient.)
  
- If it does compile: will this code produce an error message, when run with `java StudentTestDrive` and if so what? (same as the previous question—just a general description of the error is sufficient.)
  
- If this code does NOT produce an error message when compiled or run, what will be the resulting output when this code is run?



