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 (4, 5 or 6)	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			

H16: Due Wednesday, 02.11 in Lecture

Data Structures and Collections (HFJ Ch 16)
Assigned: Thu 02.05 Total Points: 50

MAY ONLY BE TURNED IN IN THE LECTURE/LAB LISTED ABOVE AS THE DUE DATE,
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/W15:Syllabus for more details.

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(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 appears in Gauchospace),
- writing **either 4, 5, or 6** to indicate your **discussion section (lab)** 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

If you collaborated with AT MOST one other person on this homework, write his/her name below. She/he should also have your name on his/her paper.

Reading Assignment: Chapter 16 in HFJ

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(2) (9 pts) Suppose you have a variable `ArrayList<String> words;` which has already been instantiated filled with a list of words.

Now you want to sort those words in alphabetical order. Write one line of code that will do this, using the technique described in Chapter 16.

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(3) The declaration of the sort method in the Collections is

```
public static <T extends Comparable<? super T>> void sort(List<T> list)
```

Here's that declaration again, several times, with a part underlined each time. Explain the meaning of the underlined part.

- (9 pts) `public static <T extends Comparable<? super T>> void sort(List<T> list)`

- (9 pts) `public static <T extends Comparable<? super T>void sort(List<T> list)`

- (9 pts) `public static <T extends Comparable<? super T>> void sort(List<T> list)`

(4) (4 pts) In the Java Collections API, List, Set and Map are defined as:

(Circle one): classes interfaces