

CSI 201 — Computer Science I, Fall 2005

Handout #14 - Thursday, October 20, 2005

1. Quiz #7 on Tuesday, Exam #2 on Thursday October 27th
2. HW #6 due today, HW #7 due Tuesday October 25th.
3. **Homework #7:** Continue your work on delete repeats. Include another array that holds the count of the number of elements of each type that appear in the array. Then call delete repeats on the original list. (Hint: Do not forget to alter the count array when deleting elements from the array). Finally, sort the elements into ascending order (again, when altering the original array, don't forget to alter the count array). Output should appear precisely as below. The maximum number of characters that may be entered is 50. Sample input and output for several steps and executions are provided below:

Input: b a c a

Output:

Step 1 (count):

```
b    1
a    2
c    1
a    2
```

Step 2 (delete repeats):

```
b    1
a    2
c    1
```

Step 3 (sort):

```
a    2
b    1
c    1
```

Input: b b b c c c a

Output: Step 1 (count):

b	3
b	3
b	3
c	3
c	3
c	3
a	1

Step 2 (delete repeats):

b	3
c	3
a	1

Step 3 (sort):

a	1
b	3
c	3

4. **Assigned Reading:** Chapter 5