## Questions

1. How would you change the code in your Bubble Sort algorithm if you were asked to sort in reverse alphabetic order (Z to A)? Change the compare to method so it will check to see is it pops up a positive number.
2. You ran Bubble Sort with 25,000 names. If you ran it with 50,000 names how long do you think it would take to run (worst case):
   1. Faster than 25,000 names
   2. Same as 25,000 names
   3. Twice the time as 25,000 names
   4. More than twice the time as 25,000 names
3. How long did Bubble sort take to sort 25,000 names? How long did Java’s built-in sort? Which sort is more efficient? the bubble sort took 6766 milliseconds and the indult java sort took 0 milliseconds. The java sort is much faster, and better.
4. Read in the textbook about Quicksort. Would Quicksort run faster than Bubble Sort? Quicksort will be faster because quicksort will separate the array and sorts the array making the smaller number to the right and lager number to the right. While Bubble short is random of how it sorts itself (lower number sort right or etc.) and has to be in a nested loop.