

Junior Knights Assignment: Sorting Practice

In class, you were shown the following three sorting algorithms: Bubble Sort, Insertion Sort, Selection sort. For this assignment, you will implement all three. A small framework `sort_framework.java` has been provided for you with some helpful code already filled in. Change the name of the file to `sort.java` and complete the three empty methods of the sort class:

```
public void bubbleSort();  
public void insertionSort();  
public void selectionSort();
```

Adjust the main method to test each of your sorts accordingly.

If you have extra time, feel free to run your sorts on arrays of larger sizes. Try multiples of 10,000 and print out the run-time, looking for a pattern.

If you are having trouble understanding what the algorithms are doing, inside the outer loop (but outside the inner loop), print out the sort object, so you can see the algorithm (or what you've coded) in action.

The main as it's written will test to see if your method has correctly sorted the array.