**Sorter Part 1**

**Directions:**

1. Create a class named Sorter.java
2. Create two static helper methods:

* **static** **void** swap(**int**[] a, **int** x, **int** y){
* **Modifies an integer array, *a*, and swaps elements at indices x and y**
* **static** **int** findMinimum(**int**[] a,**int** first){
* **References an integer array, *a*, and finds the INDEX of the minimum value starting from *first* parameter**

1. Create two public static sort methods for each sort:

* **public** **static** **void** bubbleSort(**int**[] a)
* **Reference handout**
* **public** **static** **void** selectionSort(**int**[] a)
* **Create using helper methods above**

1. In the same class, create a *main* to test each sort method.
2. Inside the *main*, create an integer array of 6 random numbers from 1-15 (inclusive).
3. Using *.clone()*, create clones of the random array that can be sorted with each sort algorithm.

Example) **int**[] **bubbleArray** = randomArray.clone();

1. Ensure the functionality of each sort algorithm by creating the printout below:

Original Array:

6 13 7 11 12 2

Bubble Sort:

2 6 7 11 12 13

Selection Sort:

2 6 7 11 12 13