Assignment: **#sorting**	Due: **04/28/02019**	Points: **3**

Specification

Part 0

Using Sorts.java as a codebase, change the method names `foo goo moo boo poo` such that their names indicate the type of comparison sort they implement.

Example: Classmate Edith Foogooman changed (renamed) `foo()` to `bubbleSort()`.

In addition, in the method comment block for each method, briefly explain how you decided to give the method its new name.

Example: Classmate Zelmo Z. Zeroman wrote the following method comment block for method `foo()`.

```
/*
 * foo() was renamed bubbleSort() because I guessed
 * that the code was an implementation of bubble sort.
 */
```

Note: Zelmo lost almost an improper-fraction of a point for his `bubbleSort()` method comment block.

Part I

Implement the given **`counting_sort()`** method such that it sorts an array of type *byte* where the elements are in the [*Byte.MIN_VALUE*, *Byte.MAX_VALUE*] interval.

Important note: The sort must be an implementation of a Counting Sort algorithm.

Part II

Submit your modified copy of Sorts.java as if it was a programming assignment. Submitted programs must compile and produce the correct output.