QuickSort - Instructions

1) Attached with this lab is MergeSortMain.java. It is an implementation of the MergeSort algorithm and an example in the main method. It is fully implemented. Also attached is a file called QuickSortMain.java.

   Your assignment:
   -QuickSortMain.java contains shell code for some of the methods, which you need to code & test. It has errors because code is missing.
   Requirements:
   -Do NOT create any new methods or remove any existing ones.
   -When finished there should be no errors.
   -Assume the integers used will be changed so the test should work with other ArrayList inputs from the main method.

   -Running the completed test that exists should give you the following output (which outputs the unordered list, then ordered):

```
[3, 7, 44, 23, 11, 55, 43, 55, 43, 51, 41, 52, 43, 13]
[3, 7, 11, 13, 23, 41, 43, 43, 43, 44, 51, 52, 55, 55]
```

Hint: Use similar code from the completed MergeSort example to get an idea of the methods & variables that are used with ArrayList objects and other constructs.

Final note:

This assignment will be graded based on the quality of the function code, NOT what is in the main method.

Submission Requirements:

-Submit in the usual way, with the following:

-Completed QuicksortMain.java code