Programming Assignment 4: Checking an ArrayList for Order

Due: Friday, April 1.

Write a class named ArrayListChecker with two static methods: one to check if an ArrayList of Integers is in ascending order and one to check if an ArrayList of Strings is in ascending (lexicographic) order. (Note: This assignment is similar to the previous one. The algorithm from the previous one should work but needs to be expressed in terms of ArrayLists rather than arrays.)

Write a JUnit class to test the two methods. Be sure to test thoroughly. Make sure you are testing the algorithm, i.e., test cases that are likely to fail. Include a minimum of 4 tests of each method.

Notes:
- Document your code with Javadoc comments as we have illustrated in the programs encountered in the lab assignments.
- Follow the programming style we have illustrated in terms of indentation, meaningful identifiers, and spacing.

Turn in:
- Listing of the source code of your program (both classes).
- E-mail a copy of your source code files to your instructor as an e-mail attachment.

The project is due Friday, April 1, at 4:00 p.m.

This assignment is to be completed by each student individually. It is governed by the Help Policy described below.

Assignment Type: Individual
Help Policy In Effect for This Assignment: Individual Project Without Collaboration.
In particular, you may receive help from the following persons, in addition to an instructor in this course: NONE.
You may use the following materials produced by other students: NONE.