**import** java.util.ArrayList;

**public** **class** ListUtilities {

// Method to check if an ArrayList of Strings is in ascending order

**public** **static** **boolean** stringCheckOrder(ArrayList<String> list) {

**for** (**int** i = 0; i < list.size() - 1; i++) {

**if** (list.get(i).compareTo(list.get(i + 1)) > 0) {

**return** **false**;

}

}

**return** **true**;

}

}

//Method to merge two ArrayLists of Strings that are in order into a single ArrayList in order

**public** **static** ArrayList<String> mergeInOrder(ArrayList<String> list1, ArrayList<String> list2) {

ArrayList<String> mergedList = **new** ArrayList<>();

**int** i = 0, j = 0;

// Merge two lists while maintaining order

**while** (i < list1.size() && j < list2.size()) {

**if** (list1.get(i).compareTo(list2.get(j)) <= 0) {

mergedList.add(list1.get(i));

i++;

} **else** {

mergedList.add(list2.get(j));

j++;

}

}

// Add any remaining elements from list1 or list2

**while** (i < list1.size()) {

mergedList.add(list1.get(i));

i++;

}

**while** (j < list2.size()) {

mergedList.add(list2.get(j));

j++;

}

**return** mergedList;

}

The link isn’t working for TestListUtilities

import static org.junit.Assert.assertEquals;

import java.util.ArrayList;

import org.junit.Test;

public class TestListUtilities {

@Test

public void testStringArrayList() {

ArrayList<String> s1 = new ArrayList<String>();

s1.add("Hello");

s1.add("Bye");

s1.add("Hello");

assertEquals(false, ArrayListChecker.stringCheckOrder(s1));

ArrayList<String> s2 = new ArrayList<String>();

s2.add("Good");

s2.add("Good");

s2.add("Good");

assertEquals(false, ArrayListChecker.stringCheckOrder(s2));

ArrayList<String> s3 = new ArrayList<String>();

s3.add("A");

s3.add("B");

s3.add("C");

assertEquals(false, ArrayListChecker.stringCheckOrder(s3));

ArrayList<String> s4 = new ArrayList<String>();

s4.add("Z");

s4.add("Y");

s4.add("X");

assertEquals(false, ArrayListChecker.stringCheckOrder(s4));

}

}