thle01

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BJP4 Exercise 7.4: isSorted

Language/Type: Java arrays
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Write a static method named `isSorted` that accepts an array of `doubles` as a parameter and returns `true` if the list is in sorted (nondecreasing) order and `false` otherwise. For example, if arrays named `list1` and `list2` store `{16.1, 12.3, 22.2, 14.4}` and `{1.5, 4.3, 7.0, 19.5, 25.1, 46.2}` respectively, the calls `isSorted(list1)` and `isSorted(list2)` should return `false` and `true` respectively. Assume the array has at least one element. A one-element array is considered to be sorted.

Type your solution here:

```
1 public static boolean isSorted(double[] a) {
2     for (int i = 0; i < a.length - 1; i++) {
3         if (a[i] > a[i+1])
4             return false;
5     }
6     return true;
7 }
```

This is a **method problem.** Write a Java method as described. Do not write a complete program or class; just the method(s) above.

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You passed 5 of 5 tests.

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test #1:	`isSorted({16.1, 12.3, 22.2, 14.4})`
return:	`false`
result:	pass

test #2:	`isSorted({1.5, 4.3, 7.0, 19.5, 25.1, 46.2})`
return:	`true`
result:	pass

test #3:	`isSorted({42.0})`
return:	`true`
result:	pass
test #4:	`isSorted({42.0, 27.0})`
return:	`false`
result:	pass
test #5:	`isSorted({1.5, 4.3, 7.0, 19.5, 7.8, 25.1, 46.2})`
return:	`false`
result:	pass

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