

Log for Ordered

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First to demonstrate my test example:

```
int[] test_example_0 = {1}; // should be ordered whatever up is
int[] test_example_1 = {0,1,2,3,4,5,6,7,8,9}; // should be ordered if up is true
int[] test_example_2 = {2,2,2,2,4,5,6}; // should be ordered if up is true
int[] test_example_3 = {5,4,3,2,1,0}; // should be ordered if up is false
int[] test_example_4 = {5,6,4,2,3,1,6}; // should be unordered whatever up is
int[] test_example_5 = {}; // should be ordered
```

Then is my log of this homework

```
Jimmys-MacBook-Pro:COMP2300Homework JimmyLin$ javac -g Ordered.java
```

```
Jimmys-MacBook-Pro:COMP2300Homework JimmyLin$ java Ordered
```

Applying isOrdered method for array [1]..

Given Parameter up is true -- non-decreasing order as index increases..

Arrays of length 0 or 1 are defined to be ordered..

Return value for calling isOrdered: true

Applying isOrdered method for array [1]..

Given Parameter up is false -- non-decreasing order as index decreases..

Arrays of length 0 or 1 are defined to be ordered..

Return value for calling isOrdered: true

Applying isOrdered method for array [0,1,2,3,4,5,6,7,8,9]..

Given Parameter up is true -- non-decreasing order as index increases..

Comparing the 0th element and the 1th element.. result: ordered..

Comparing the 1th element and the 2th element.. result: ordered..

Comparing the 2th element and the 3th element.. result: ordered..

Comparing the 3th element and the 4th element.. result: ordered..

Comparing the 4th element and the 5th element.. result: ordered..

Comparing the 5th element and the 6th element.. result: ordered..

Comparing the 6th element and the 7th element.. result: ordered..

Comparing the 7th element and the 8th element.. result: ordered..

Comparing the 8th element and the 9th element.. result: ordered..

Return value for calling isOrdered: true

Applying isOrdered method for array [0,1,2,3,4,5,6,7,8,9]..

Given Parameter up is false -- non-decreasing order as index decreases..

Comparing the 0th element and the 1th element.. result: un-ordered..

Return value for calling isOrdered: false

Applying isOrdered method for array [2,2,2,2,4,5,6]..

Given Parameter up is true -- non-decreasing order as index increases..

Comparing the 0th element and the 1th element.. result: ordered..

Comparing the 1th element and the 2th element.. result: ordered..

Comparing the 2th element and the 3th element.. result: ordered..

Comparing the 3th element and the 4th element.. result: ordered..

Comparing the 4th element and the 5th element.. result: ordered..

Comparing the 5th element and the 6th element.. result: ordered..

Return value for calling isOrdered: true

Applying isOrdered method for array [2,2,2,2,4,5,6]..

Given Parameter up is false -- non-decreasing order as index decreases..

Comparing the 0th element and the 1th element.. result: ordered..

Comparing the 1th element and the 2th element.. result: ordered..

Comparing the 2th element and the 3th element.. result: ordered..

Comparing the 3th element and the 4th element.. result: un-ordered..

Return value for calling isOrdered: false

Applying isOrdered method for array [5,4,3,2,1,0]..

Given Parameter up is true -- non-decreasing order as index increases..

Comparing the 0th element and the 1th element.. result: un-ordered..

Return value for calling isOrdered: false

Applying isOrdered method for array [5,4,3,2,1,0]..

Given Parameter up is false -- non-decreasing order as index decreases..

Comparing the 0th element and the 1th element.. result: ordered..

Comparing the 1th element and the 2th element.. result: ordered..

Comparing the 2th element and the 3th element.. result: ordered..

Comparing the 3th element and the 4th element.. result: ordered..

Comparing the 4th element and the 5th element.. result: ordered..

Return value for calling isOrdered: true

Applying isOrdered method for array [5,6,4,2,3,1,6]..

Given Parameter up is true -- non-decreasing order as index increases..

Comparing the 0th element and the 1th element.. result: ordered..

Comparing the 1th element and the 2th element.. result: un-ordered..

Return value for calling isOrdered: false

Applying isOrdered method for array [5,6,4,2,3,1,6]..

Given Parameter up is false -- non-decreasing order as index decreases..

Comparing the 0th element and the 1th element.. result: un-ordered..

Return value for calling isOrdered: false

Applying isOrdered method for array [].

Given Parameter up is true -- non-decreasing order as index increases..

Arrays of length 0 or 1 are defined to be ordered..

Return value for calling isOrdered: true