```
2 import java.util.Arrays;
 3 public class MyArrays {
       // Two arrays, for testing purposes. Used by the testing methods in this class.
       private static final int[] a = { 2, 4, 2, 5};
private static final int[] b = { 3, 6, 9};
 6
 7
 8
 9
       ^{st} If every element in the array is greater than or equal to the previous element, returns true.
10
        * Otherwise, returns false.
11
12
13
       public static boolean isInIncreasingOrder(int[] arr) {
14
           boolean isInIncreasingOrder = true;
15
           for (int i = 0; i < arr.length; i++) {
16
                if (i > 0 && arr[i] < arr[i - 1]) {</pre>
17
                    isInIncreasingOrder = false;
18
19
20
           return isInIncreasingOrder;
       }
21
22
23
        st Returns an array whose elements consist of all the elements of arr1,
24
25
        * followed by all the elements of arr2.
26
27
       public static int[] concat(int[] arr1, int[] arr2) {
28
           int[] both = Arrays.copyOf(arr1, arr1.length + arr2.length);
           System.arraycopy(arr2, 0, both, arr1.length, arr2.length);
29
30
           return both;
31
32
33
       /** If the given array contains an element that appears more than once, returns true.
34
        * Otherwise, returns false. */
35
       public static boolean hasDuplicates(int[] arr) {
           //// Replace the following statement with your code
36
37
           boolean duplicates = false;
           for (int firstCounter = 0; firstCounter < arr.length; firstCounter++) {</pre>
38
                for (int secondCounter = firstCounter + 1; secondCounter < arr.length; secondCounter++) {</pre>
39
40
                     \textbf{if} \ (\texttt{secondCounter} \ != \ \texttt{firstCounter} \ \& \ \texttt{arr[secondCounter]} \ == \ \texttt{arr[firstCounter]}) \ \{ \\
41
                        duplicates = true;
42
43
                }
44
45
           return duplicates;
46
47
48
49
       // Prints the given int array, and then prints an empty line.
50
       public static void println(int[] arr) {
           for (int i = 0; i < arr.length; i++) {
51
               System.out.print(arr[i] + " ");
52
53
54
           System.out.println();
55
       }
56
57
       public static void main(String[] args) {
58
           System.out.print("Array a: "); println(a);
59
           System.out.print("Array b: "); println(b);
           //// Uncomment the test that you wish to execute
60
61
           testIsInIncreasingOrder();
62
           testConcat();
63
           testHasDuplicates();
64
       }
65
66
       private static void testIsInIncreasingOrder() {
67
           System.out.println();
68
           System.out.println("Array a is " + ((isInIncreasingOrder(a)) ? "" : "not ") + "in order");
           System.out.println("Array b is " + ((isInIncreasingOrder(b)) ? "" : "not ") + "in order");
69
70
71
72
       private static void testConcat() {
73
           System.out.println();
74
           System.out.print("Concatenantion of a and b: "); println(concat(a, b));
75
76
       private static void testHasDuplicates() {
77
78
           System.out.println();
79
           System.out.println("Array a has " + ((hasDuplicates(a)) ? "" : "no ") + "duplicates");
80
           System.out.println("Array b has " + ((hasDuplicates(b)) ? "" : "no ") + "duplicates");
81
       }
82 }
```

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