





- Program 4
  - JRE System Library [JavaSE-17]
  - src
    - (default package)
      - testClass.java

Console X

```
Checking if the array is sorted... one second...
The array has been sorted: false
Fear not, for the array will now be sorted.
```

```
Checking if the array is been sorted... one second...
The array has been sorted: true
```



eclipse-workspace - Program 4/src/testClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- Calculate Average Withholding
- Capture Grade Statistics Using For-Lo
- Car Data and MPG
- Creating a GUI Application
- Creating an Abstract Class Shape I
- Creating a User Interface II
- Exercise 24a
- Final Project - Student Data Loop
- Get Weekly Temperatures
- HelloWorld
- Implementing a Superclass Employee
- Implementing Recursion to Provide a
- Method with Scanner Input
- Name and Address
- Online Food Delivery
- Portfolio Project Part II
- Postfix Converter
- Program 4
  - JRE System Library [JavaSE-17]
  - src
    - (default package)
      - testClass.java
- Recursive Method
- Storing an ArrayList
- Test Frame
- Test Program
- Vehicle Inventory Program

testClass.java

```
1 import java.util.Arrays;
2 import java.util.Random;
3
4 public class testClass {
5
6     public static void main(String[] args) {
7         int arr[] = new int[15];
8         Random r = new Random();
9
10        for (int i=0; i < arr.length; i++) {
11            arr[i] = r.nextInt(Integer.MAX_VALUE);
12        }
13
14        System.out.println("Here is the array before any modifications are made: ");
15
16        for (int i=0; i < arr.length; i++) {
17            System.out.print(arr[i] + " ");
18        }
19        System.out.println("");
20        System.out.println("");
21        System.out.println("Checking if the array is sorted... one second...");
22        System.out.println("The array has been sorted: " + checkArray(arr));
23        System.out.println("Fear not, for the array will now be sorted.");
24
25        Arrays.sort(arr);
26        System.out.println("");
27        System.out.println("Here is the updated array: ");
```

Outline

- testClass
  - main(String[]) : void
  - checkArray(int[]) : boolean

Console

<terminated> testClass [Java Application] C:\Users\Jinyume\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.2.v20220201-1208\jre\bin\javaw.exe (Oct 2, 2022, 3:28:13 PM – 3:28:13 PM)

Here is the array before any modifications are made:  
529950776 1811158435 1189456857 1998995045 1856899354 1452265078 1041380553 1355970986 256956880 726953057 233731195 1057517015 1807670520 1007758755 406217218

Checking if the array is sorted... one second...  
The array has been sorted: false  
Fear not, for the array will now be sorted.

Here is the updated array:  
233731195 256956880 406217218 529950776 726953057 1007758755 1041380553 1057517015 1189456857 1355970986 1452265078 1807670520 1811158435 1856899354 1998995045

Checking if the array is been sorted... one second...  
The array has been sorted: true