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All Competitions > **c2c2017-5** > **Point Sorting**

Point Sorting   🔒 locked

🔴 by Havan

Problem	Submissions	Leaderboard	Discussions

In most real world problems, you typically have to sort elements based on a certain property that is calculated from its other properties. In this problem, you are given a class Point, with members x and y. You need to complete the function sortPoints(Point[] points) which sorts the points according to the distance from origin, in ascending order.

Input Format

You only need to complete the function sortPoints . Input/Output is already being handled for you.

Constraints

Length of the array points passed to the function is less than 500.

Output Format

You should not print anything to output. You only need to sort the array.

Sample Input 0

```
1
2745 5666
```

Sample Output 0

```
2745 5666
```

Sample Input 1

```
5
8577 -3007
-3859 5830
2337 -9124
6723 4448
-4555 7282
```

Sample Output 1

```
-3859 5830
6723 4448
-4555 7282
8577 -3007
2337 -9124
```

f 🐦 in

Submissions: 10
Max Score: 50
Difficulty: Easy

Current Buffer (saved locally, editable)   ⑂ ⏱   Java 7   ⌄   ⤢   ⚙

```java
1  import java.io.*;
2  import java.util.*;
3  import java.text.*;
4  import java.math.*;
5  import java.util.regex.*;
6
7  class Point {
8      /*DO NOT MODIFY ANYTHING IN THIS CLASS*/
9      public final int x;
10     public final int y;
11
12     public Point(int x, int y) {
13         this.x = x;
14         this.y = y;
15     }
16
17     @Override
18     public String toString() {
19         return x + " " + y;
20     }
21  }
22
23  public class Solution {
24
25      public static void sortPoints(Point[] points) {
26          // TODO: Complete this function
27      }
28
29      public static void main(String[] args) throws Exception {
30          /*DO NOT MODIFY ANY OF THIS CODE*/
31          BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
32
33          int n = Integer.parseInt(br.readLine());
34          Point[] points = new Point[n];
35
36          for (int i = 0; i < n; i++) {
37              String[] s = br.readLine().split(" ");
38              int x = Integer.parseInt(s[0]);
39              int y = Integer.parseInt(s[1]);
40              points[i] = new Point(x, y);
41          }
42          sortPoints(points);
43
44          for (Point p : points) {
45              System.out.println(p.toString());
46          }
47      }
48  }
49
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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