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BJP4 Exercise 8.1: quadrantPoint

Language/Type: Java classes if/else instance methods Point
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Add the following method to the `Point` class:

```
public int quadrant()
```

Returns which quadrant of the x/y plane this `Point` object falls in. Quadrant 1 contains all points whose x and y values are both positive. Quadrant 2 contains all points with negative x but positive y. Quadrant 3 contains all points with negative x and y values. Quadrant 4 contains all points with positive x but negative y. If the point lies directly on the x and/or y axis, return 0.

```
public class Point {
    private int x;
    private int y;

    // // your code goes here

}
```

Type your solution here:

```
1  public int quadrant() {
2      int q = 0 ;
3      if (x >0 && y >0) {
4          q = 1;
5      }
6      else if (x < 0 && y >0) {
7          q = 2;
8      }
9      if (x < 0 && y < 0) {
10         q = 3;
11     }
12     if (x > 0 && y < 0) {
13         q = 4;
14     }
```

```
15      return q;
16  }
```

This is a **partial class problem.** Submit code that will become part of an existing Java class as described. You do not need to write the complete class, just the portion described in the problem.

4 Indent

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Highlighting

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You passed 7 of 7 tests.

Go to the next problem: flipPoint

test #1:	`(81, 21)`
console output:	`1`
result:	pass
test #2:	`(-52, 32)`
console output:	`2`
result:	pass
test #3:	`(-93, -13)`
console output:	`3`
result:	pass
test #4:	`(64, -44)`
console output:	`4`
result:	pass
test #5:	`(0, 0)`
console output:	`0`
result:	pass
test #6:	`(0, 4)`
console output:	`0`
result:	pass
test #7:	`(-17, 0)`
console output:	`0`
result:	pass

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