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24 //CODE BY AKSHAT GARG
25 // 4a. Add an area method to compute the area of the rectangle.
26 public int area()
27 {
28     return length*width;
29 }
30 }
31
32 // 1. Make the class square inherit from Rectangle
33 public class Square extends Rectangle
34 {
35
36     // 2. Add a Square constructor with 1 argument for a side
37     public Square(int l){
38         super(l,l);
39     }
40     public static void main(String[] args)
41     {
42         Rectangle r = new Rectangle(3, 5);
43         r.draw();
44         // 3. Uncomment these to test
45         Square s1 = new Square(1);
46         s1.draw();
47         Square s = new Square(3);
48         s.draw();
49
50         // 4b. Add some tests for your area method after you write it
51         System.out.println("Area of the square is " + s1.area());
52     }
53 }
54
55 // 5. Define the LongRectangle class here
56 // Do not make it public because only 1 class with main can be public in 1 file.
57 class LongRectangle extends Rectangle
58 {
59
60     // 2. Add a Square constructor with 1 argument for a side
61     public LongRectangle(int l){
62         super(l,l);
63     }
64
65 }

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Area of the square is 1

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Result	Expected	Actual	Notes
Passed	***** ***** ***** * *** *** *** ***	***** ***** ***** * *** *** *** Area of the square is 1	Running main
Passed	true	true	Checking that code contains extends Rectangle
Passed	pass	pass	Checking Square constructor with 1 argument (int)
Passed	true	true	Checking that code contains area
Passed	true	true	Checking that code contains LongRectangle extends Rectangle

You got 5 out of 5 correct. 100.00%

Activity: 9.2.2.1 ActiveCode (challenge-9-2-Square-Rectangle)

I had a lot of issues with the public keyword in the LongRectangle class, as I didn't see the comment. Otherwise, the area and method creation was not that bad. The constructor was a little tricky but it was okay in the end, tried to make the constructor private because the class was, but that wasn't right.