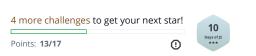
## Day 5: Inheritance ★



Objective

In this challenge, we practice implementing inheritance and use JavaScript prototypes to add a new method to an existing prototype. Check out the attached Classes tutorial to refresh what we've learned about these topics.

Task

We provide the implementation for a Rectangle class in the editor. Perform the following tasks:

1. Add an area method to Rectangle's prototype.

2. Create a Square class that satisfies the following:

□ It is a subclass of Rectangle.

□ It contains a constructor and no other methods.

□ It can use the Rectangle class' area method to print the area of a Square object.

Locked code in the editor tests the class and method implementations and prints the area values to STDOUT.

```
Change Theme
                                                                                      Language: JavaScript (Node.js) 👸 💆 🍪
 1
     class Rectangle {
 2
         constructor(w, h) {
 3
             this.w = w;
 4
             this.h = h;
 5
         }
 6
    }
 7
     Rectangle.prototype.area=function(){
 8
         return this.w*this.h
9
10
11
     class Square extends Rectangle{
12
13
         constructor(s)
14
         {
             super(s,s)
15
16
17
    }
18
19
     if (JSON.stringify(Object.getOwnPropertyNames(Square.prototype)) === JSON.stringify([
     'constructor' ])) {
20
         const rec = new Rectangle(3, 4);
21
         const sqr = new Square(3);
22
23
         console.log(rec.area());
                                                                                                             Line: 18 Col: 1
```

## Congratulations!

**1** Upload Code as File

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

☐ Test against custom input

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Run Code



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