

10/12/2020

Assignment for JavaScript Class lessons

Part I: Complete the following tasks from The JavaScript Language book. Try to answer them before looking at the solutions. You should work on each one for at least 10 – 20 minutes before looking at the solution. Write your own code for each of these in VSCode before looking at the answers. It is very helpful to have the ESLint checks running when you write your code. You can turn it off in a file if it is really trivial code that you do not need to debug with the following line at the top of that trivial file:

```
/* eslint-disable */
```

However, when writing any nontrivial code it finds a lot of bugs and although it takes a little extra time for the initial coding, it will save you a lot of time in the end. Equally important, it will develop good coding practices and make your code look much more professional and make you a better faster professional, faster!

In your github README file include a statement about whether you were able to complete all the exercises on your own and whether you have questions or would like to hear an explanation on any of the solutions from the book. Also comment on something that was interesting or that you learned from the lab. Finally please note whether you had sufficient time to complete the lab and about how long it took.

Chapter: Classes

Section: Basic class syntax

Tasks

1. Rewrite to class (see slide 16 for hints and questions to answer)
2. The book solution moves all the methods and functions in the constructor function version of Clock to be class methods. This is a better design in the sense that now methods are shared instead of copied into every Clock instance.
 - a. Try to write the Class version by simply moving everything in the constructor function into the Class constructor? Does that work?
 - b. Try to refactor the constructor function version to put the shared methods into Clock.prototype?

Section: Class inheritance

Tasks

- Error creating an instance
- Extended clock

Classes, Constructors, and Inheritance: An Example with Bank Accounts (see separate PDF specs)