

10/8/2020

Assignment for w3d Call Context/'this' Binding

If you have not already done these exercises from Monday, do the 2 timeout exercises from the Advanced working with functions > Scheduling: **setTimeout** and **setInterval** section of the book:

- Output every second
 - **setInterval version**
 - **setTimeout version**
- **What will setTimeout show?**

Do these exercises from the Advanced working with functions > **Function binding** section of section of the book:

- **Fix a function that loses "this" (do with bind, wrapper, call, and apply)**
- **Partial application for login**

Arrow functions and lexical 'this' exercise (see slides 46 and 47, probably will cover this on Tuesday)

Fix the code below using an arrow function and then using bind

```
let group = {  
  title: "Our Group",  
  students: ["John", "Pete", "Alice"],  
  showList() {  
    this.students.forEach(function(student) {  
      // Error: Cannot read property 'title' of undefined  
      alert(this.title + ': ' + student)  
    });  
  }  
};  
group.showList();
```

Exam2 review

Review your exam 2 with a study partner. Redo any questions you missed. Explain them to your partner. Submit the solutions as part of this assignment. Be ready to answer them on the final exam.

Extra Credit (as time and interest allows)

Do the following 2 exercises from the Advanced working with functions > **Decorators and forwarding, call/apply** section of the book:

- Spy decorator (real world example `sinon.spy` for unit testing)
- Delaying decorator (interesting exercise of `setTimeout`)