Seat Reservation Program

Part 2 - Reserved Seats

Data

At the end of this part, you will have some seats, coming from an imaginary database, already reserved.

The reservedSeats Object

If you haven't done so, add this reservedSeats object to the top of your script.js file.

```javascript
var reservedSeats = {
    record1:{
        seat:"b19",
        owner:{
            fname:"Joe",
            lname:"Smith"
        }
    },
    record2:{
        seat:"b20",
        owner:{
            fname:"Joe",
            lname:"Smith"
        }
    },
    record3:{
        seat:"b21",
        owner:{
            fname:"Joe",
            lname:"Smith"
        }
    },
    record4:{
        seat:"b22",
        owner:{
            fname:"Joe",
            lname:"Smith"
        }
    }
};
```

The Challenge...
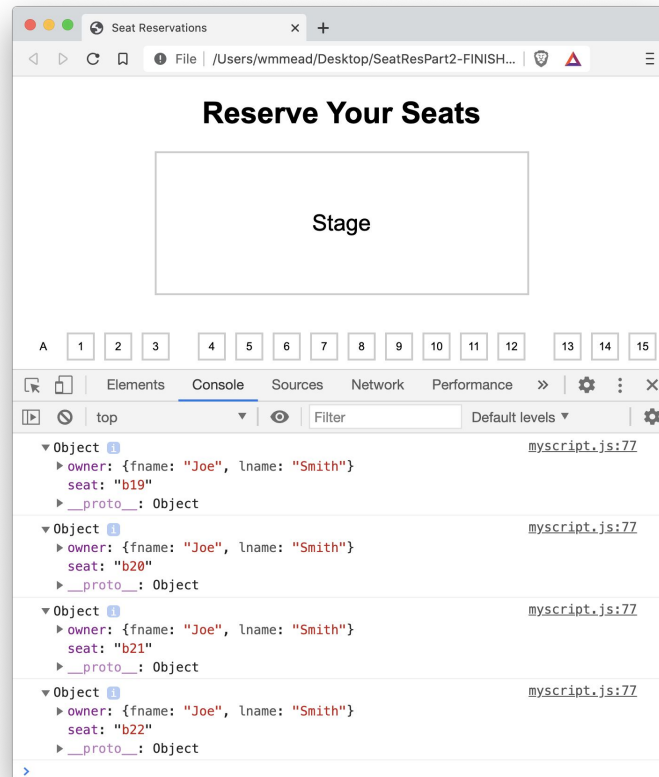
Were you able to successfully address the challenge?

Perhaps you came up with a different way of doing it. That is ok. In this lesson you will see one possible solution.

Looping through the Object

You can loop through the object like this:

```javascript
for( const key in reservedSeats ){
    const obj = reservedSeats[key];
    console.log(obj);
}
```
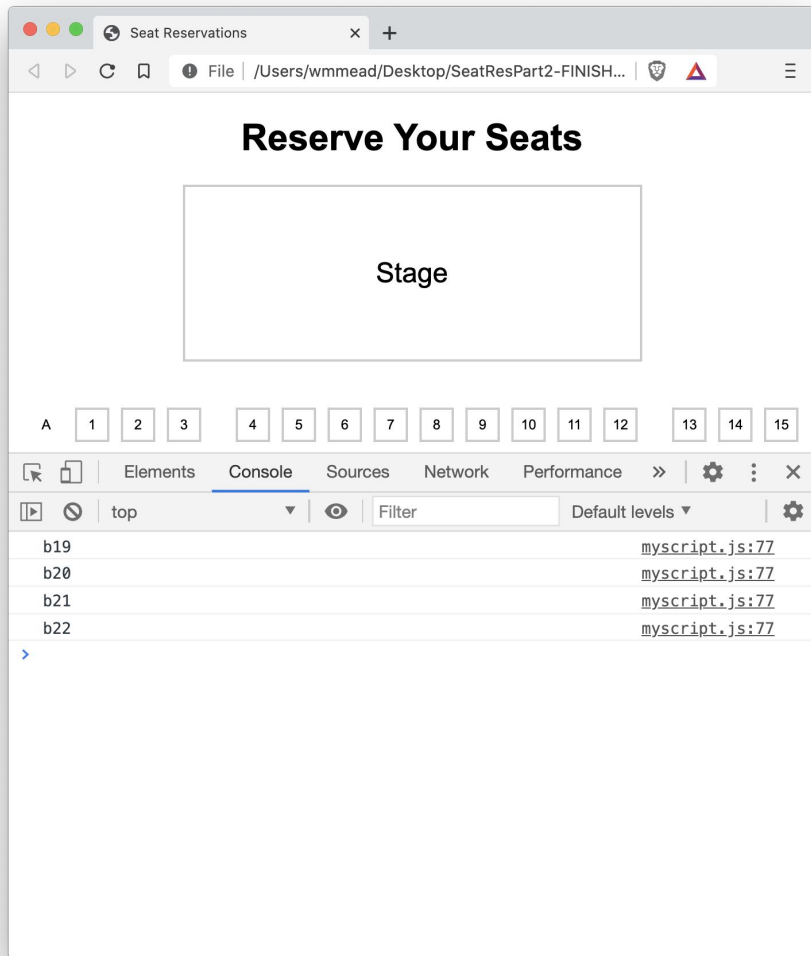
That will get you each member of the reservedSeats object.

Getting the Seats

You specifically need the seat property inside the object, because the value for each seat matches the ID of each <div> in the DOM.

```
for( const key in reservedSeats ){
    const obj = reservedSeats[key];
    console.log(obj.seat);
}
```

Affecting the DOM

This should do the trick.

```
for( const key in reservedSeats ){
    const obj = reservedSeats[key];

    document.getElementById(obj.seat).className = "r";
    document.getElementById(obj.seat).innerHTML = "R";
}
```

Dealing with Prototypical Inheritance

Wrap the guts of the for loop in this if statement. It's really not a problem here, but this is considered a best practice.

```javascript
for( const key in reservedSeats ){

    if( reservedSeats.hasOwnProperty(key) ){

        const obj = reservedSeats[key];

        document.getElementById(obj.seat).className = "r";
        document.getElementById(obj.seat).innerHTML = "R";
    }
}
```

With IIFE Closure

```javascript
(function(){
    "use strict";

    for( const key in reservedSeats ){

        if( reservedSeats.hasOwnProperty(key) ){

            const obj = reservedSeats[key];

            document.getElementById(obj.seat).className = "r";
            document.getElementById(obj.seat).innerHTML = "R";
        }
    }

}());
```

That's it for part 2!

The Next Challenge

- Create an array

- When the user clicks a seat, add its ID to the array

- Change the class from "a" to "s"