

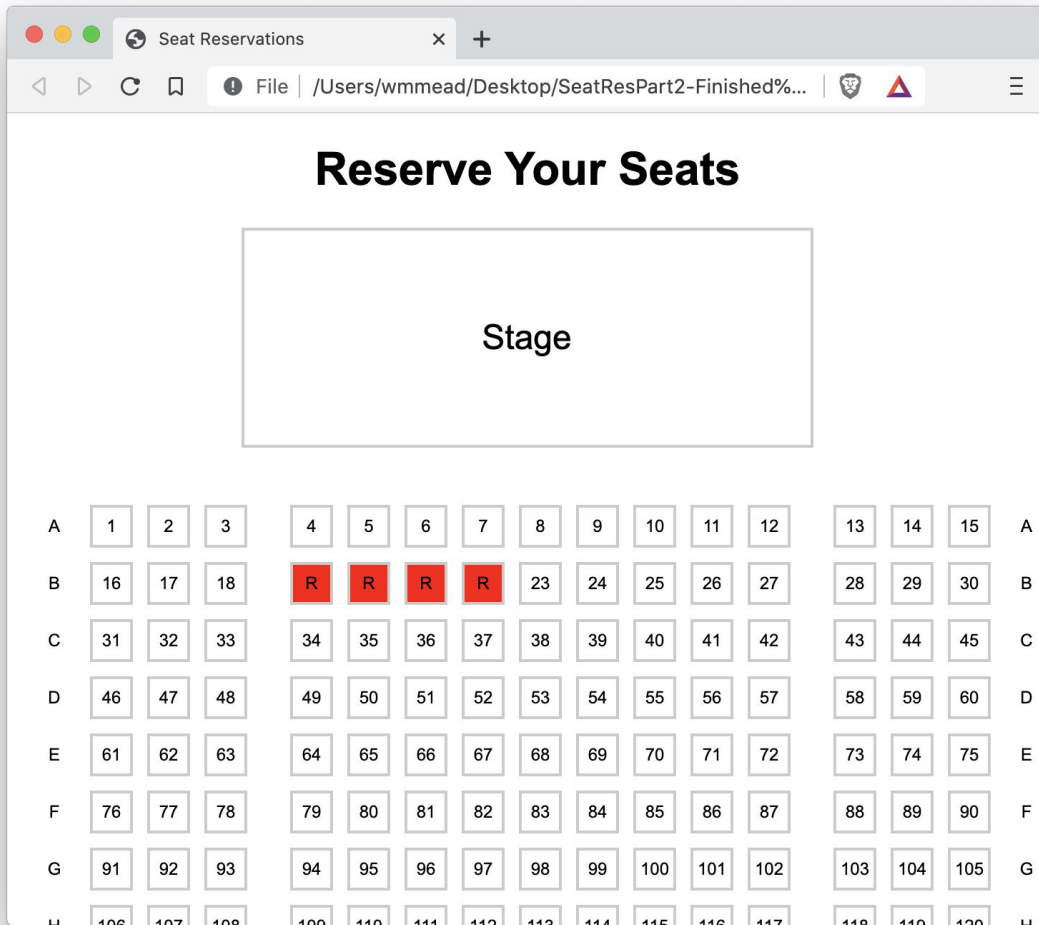
# Seat Reservation Program



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.

```
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?

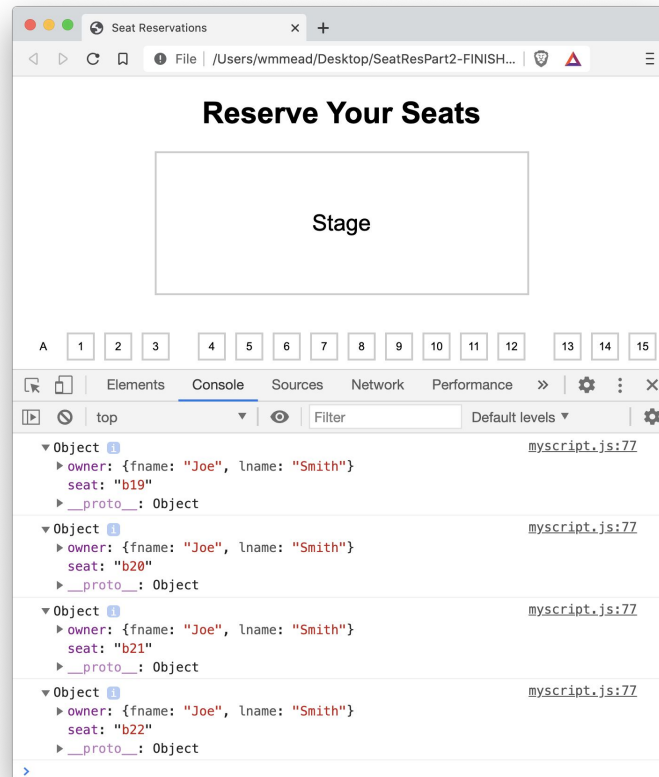
Perhaps you came up with a different way of doing it. That is ok. In this lesson you will see one possible solution.

# Looping through the Object

You can loop through the object like this:

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

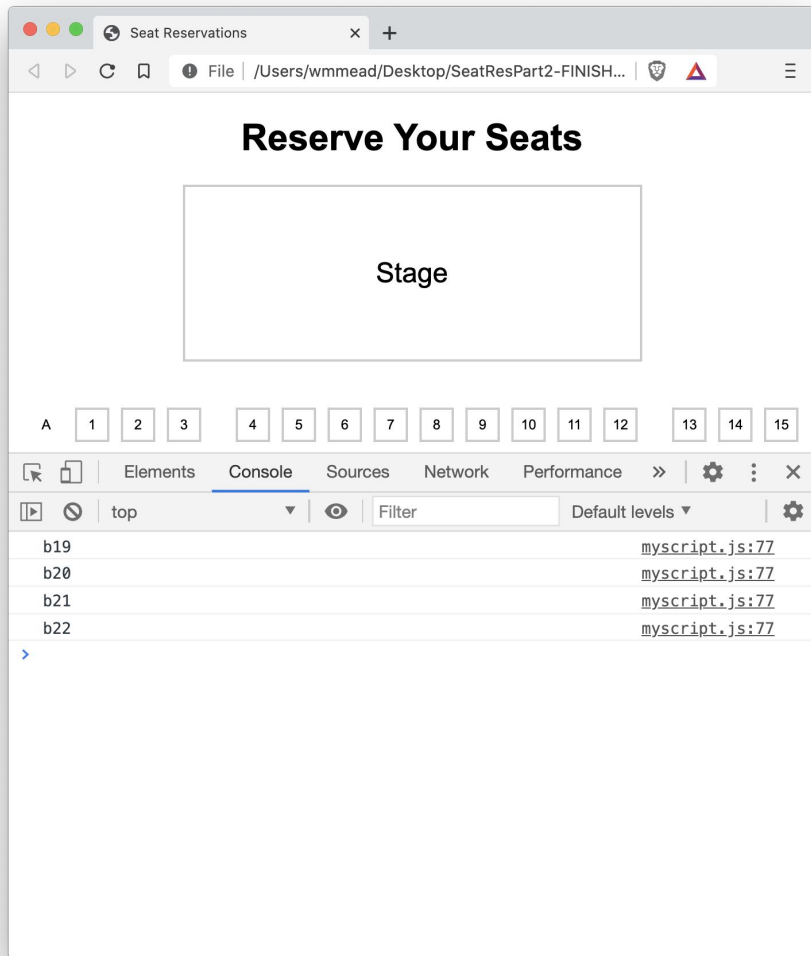
That will get you each member of the reservedSeats object.



# 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.

```
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

```
(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"

