Exercises: Objects
The Recipe Card
Never forget another recipe!
- Create an object to hold information on your favorite recipe. It should have properties for `title` (a string), `servings` (a number), and `ingredients` (an array of strings).
- On separate lines (one `console.log` statement for each), log the recipe information so it looks like:
    - Mole
    - Serves: 2
    - Ingredients:
    - cinnamon
    - cumin
    - cocoa

See Solution

```
 var recipe = {      'title': 'Mole',      'servings': 2,      'ingredients': ['cumin', 'cinnamon', 'cocoa'] };
console.log(recipe.title); console.log('Servings: ' + recipe.servings); console.log('Ingredients:'); for (var i = 0;
i < recipe.ingredients.length; i++) {      console.log(recipe.ingredients[i]); }
```

The Reading List
Keep track of which books you read and which books you want to read!
- Create an array of objects, where each object describes a book and has properties for the `title` (a string), `author` (a string), and `alreadyRead` (a boolean indicating if you read it yet).
- Iterate through the array of books. For each book, log the book title and book author like so: "The Hobbit by J.R.R. Tolkien".
- Now use an if/else statement to change the output depending on whether you read it yet or not. If you read it, log a string like 'You already read "The Hobbit" by J.R.R. Tolkien', and if not, log a string like 'You still need to read "The Lord of the Rings" by J.R.R. Tolkien.'

See Solution

```
var books = [   {title: 'The Design of EveryDay Things',    author: 'Don Norman',    alreadyRead: false    },
{title: 'The Most Human Human',   author: 'Brian Christian',   alreadyRead: true   }];  for (var i = 0; i <
books.length; i++) {   var book = books[i];   var bookInfo = book.title + '" by ' + book.author;   if
(book.alreadyRead) {    console.log('You already read "' + bookInfo);   } else {    console.log('You still need to
read "' + bookInfo);   } }
```

The Movie Database
It's like IMDB, but much much smaller!
- Create an object to store the following information about your favorite movie: `title` (a string), `duration` (a number), and `stars` (an array of strings).
- Create a function to print out the movie information like so: "Puff the Magic Dragon lasts for 30 minutes. Stars: Puff, Jackie, Living Sneezes."

See Solution

```
var myFavMovie = {     title: 'Puff the Magic Dragon',     duration: 30,     stars: ['Puff', 'Jackie', 'Living
Sneezes'] };  function printMovie(movie) {     console.log(movie.title + ' lasts for ' + movie.duration + '
minutes');     var starsString = 'Stars: ';     for (var i = 0; i < movie.stars.length; i++) {         starsString
+= movie.stars[i];        if (i != movie.stars.length -1) {             starsString += ', ';        }     }
console.log(starsString); }  // Or... function printMovie(movie) {     console.log(movie.title + ' lasts for ' +
movie.duration + ' minutes');     console.log('It stars ' + movie.stars.join(', ')); } printMovie(myFavMovie);
```