

Lesson

Weekend

Intermediate JavaScript (/intermediate-javascript)

/ Object-Oriented JavaScript (/intermediate-javascript/object-oriented-javascript)

/ Objects Within Objects

Text

Cheat sheet

Terminology

- **Nested object:** A nested object is simply an object that is a property of another object. Or, an object that contains another object. Examples that we've seen with Web APIs are:

```
> window.document;  
#document  
> window.location;  
Location {ancestorOrigins: DOMStringList, href: 'https://www.learnhowtoprogram.com/introduction-to-.../getting-started-a-t-epicodus/learn-how-to-program', origin: 'https://www.learnhowtoprogram.com', protocol: 'https:', host: 'www.learnhowtoprogram.com', ...}  
> document.body;  
<body>...</body>
```

Examples

To create relationships among objects, use properties whose values are arrays of other objects:

```
let pdx = { name: "Portland" };  
let sfo = { name: "San Francisco" };  
let sea = { name: "Seattle" };  
let usa = { name: "United States of America", cities: [pdx,  
sfo, sea] };
```

To add multiple objects within an object, we can use an empty array:

```
let uruguay = { name: "Uruguay", cities: [] };
```

Then we can add more objects to the `cities` array:

```
let mlz = { name: "Melo" };  
uruguay.cities.push(mlz);
```

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