Intro to Directives Lab

Working with ng-app and ng-controller

1. Open index.html. Make sure it has two attributes in the <body> tag, one for ng-app="mainModule" and one for ng-controller="mainProductController".

These will wire up Angular to be in control of the page. You may already have the mainModule, but you probably don't have the mainProductController, so let's create that.

2. open your main module and add a new controller to the module called "mainProductController". Just like before, have it console.log() something so we can be sure it is running.
3. Run and test until you see your console message. Do what you must to get it running.

Working with ng-repeat

We've decided that in order to push certain products we're going to feature them on our front page. We'll eventually pull them from a database in our controller but we're not ready for that yet. We'll simulate it using a JSON array of products.

4. Look in the /assets/js directory for a file called products.json.js. Open it in an editor.
5. Copy the entire array and paste it in your controller.
6. Get the array into $scope.topProducts.

If they're part of $scope, we know they'll be available in the view. And since they're in an array, we should loop through them using ng-repeat.

7. In index.html, find where we should be displaying four products and replace them with this:

```
<div ng-repeat="product in topProducts" class="item text-center"
   ng-class="{'active':$first}">
  <a ng-href="product/index.html#/{{product.productID}}">
    <img ng-src="/assets/img/productImages/{{product.productID}}.jpg"
    class="center-block"
    alt="{{product.productName}}">{{product.productName}}</a>
</div>
```

8. Run and test. You should be able to see the products you put in the array.

Add a static map

In case our customers want to find our brick-and-mortar location, let's give them map to us.

9. Open the about us page and add a <section>. In this section, put a <h3>Map of our headquarters</h3> and an
10. Set the src of the map to " https://maps.googleapis.com/maps/api/staticmap?markers={{ company.streetAddress }} {{ company.city}} {{ company.region }} {{ company.postalCode }}&size=600x600&maptype=hybrid"
11. Run and test.

Do you see the map? You may not. The src has mustaches in it! This won't be interpreted by Angular unless we change it to ng-src. That directive signals Angular to replace the mustaches with model values.

12. Change the src attribute to ng-src and refresh the page.

Once you can see your map, you can be finished.