REQUIREJS

USAGE: NPM PACKAGES

> ❯ TO INCLUDE THE "EXPRESS" MODULE, DO:

```
var express = require('express');
```

> ❯ express NOW CONTAINS THE EXPRESS LIBRARY, STORED IN YOUR node_modules DIRECTORY

USAGE: YOUR OWN MODULES

> IF A PATH IS SPECIFIED, IT WILL TRAVERSE TO IT AND LOOK FOR THE MODULE THERE

```
var models = require('./models');
```

> HERE, IT LOOKS FOR A FILE CALLED `models.js`, LOCATED IN THE SAME DIRECTORY AS THE CURRENT FILE

EXERCISE

> WHERE ARE THE FOLLOWING MODULES LOCATED?

```
var xmlProcessor = require('../../processors/xml');
var bodyParser = require('bodyParser');
```

CREATING YOUR OWN MODULE

> WHATEVER YOU SET `module.exports` TO, THAT IS WHAT PEOPLE WILL SEE WHEN INCLUDING YOUR MODULE

SIMPLE EXAMPLE

MULTIPLE FUNCTIONS EXAMPLE

PASS PARAMETERS TO MODULE EXAMPLE

EXERCISE

> WRITE THREE FUNCTIONS NAMED sum, difference, AND product THAT EACH TAKE IN TWO PARAMETERS, AND RETURN THE APPROPRIATE RESULT. PRINT OUT SOMETHING AS WELL.

```javascript
function product(x, y) {
    console.log("finding the product of " + x + " and " + y + "...");
    return x * y;
}
```

> PUT THESE FUNCTIONS IN A NEW MODULE CALLED math, IN A DIRECTORY CALLED miscellaneous.

> CREATE A NEW FILE THAT INCLUDES THIS MODULE, THEN CALL EACH OF THE ABOVE FUNCTIONS AT LEAST ONCE.