

# WELCOME TO scope

Hey y'all! Today we'll be talking a little bit about classes, taking questions about React Native, and then just hanging out!

## QR Code for Attendance



Please fill out this attendance form!  
You and your Scope Cup team will  
be awarded points for attendance..



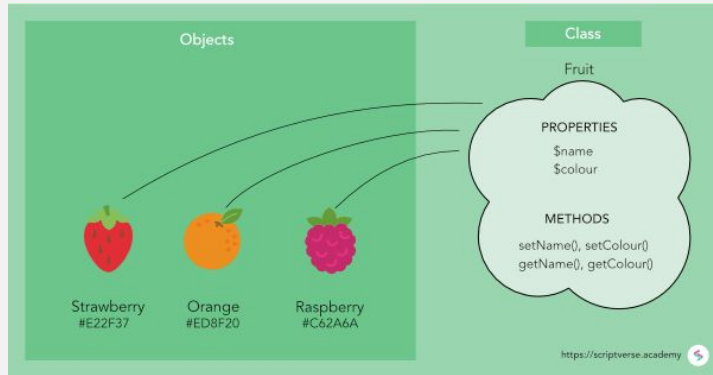
# Announcements

## *Dues:*

- Venmo \$30 to @scopeusc

## *Next week:*

- We'll be starting the next curriculum module!
- Do y'all want to learn Swift or Firebase next...



# Classes

*An object-oriented programming (OOP) concept.*

*Essentially a template for creating objects, with the objects having a certain set of data/properties, and methods.*

# How does this work in React Native?

Classes/Objects in ES6 work similarly to other programming languages. We can create a class prototype, and then instantiate an object. Today, we're going to abstract the `getBooks` function into its own `Books` class.

1

Create a new file, `Books.js`

In terminal, run the following command in your Librarian directory:

```
touch Books.js
```

Then, open the new `Books.js` file in your editor of choice.

2

Declare a new class

In the file, you can declare a class by writing:

```
class Books{}
```

3

Move the `getBooks()` function

Cut the `getBooks` function from `App.js` and paste it into your new `Books` class.

4

Make the `Books` class publicly available

Putting the line

```
export default Books;
```

At the bottom of the file is the easiest method of achieving this, but you can also change the class definition to:

```
export default class Books{}
```

# Using your new Class

Now, we have to instantiate the class in our original App.js file.

1

Import your Books class

First, we need to make the Books class available in App.js. We can do this by importing it. Insert this line at the top of your App.js file near the other imports:

```
import Books from './Books'
```

2

Instantiate an Object of the Books class

You can do this in ES6 by:

```
this.b = new Books;
```

Put this in the App class's constructor. We don't want a global object.

3

Change your searchBooks method

Now we need to change the searchBooks method to not use "this" getBooks (the method that was previously located in the App class), but the getBooks from our Books class. We can do this by changing "this" to "b" inside the searchBooks method, so it reads:

```
this.b.getBooks(this.state.searchTerm).then((data) => {  
  ...  
})
```

# Done! Time for React Questions...

You just learned how to implement classes and objects in React Native.