## **Node Modules**



Learn about the concept of Node modules and how to use them.

# 4. Exercise: Callbacks and Error Handling In Node

https://www.youtube.com/watch?v=oR-73NaWGKg

#### Click here if you wish to open this video in its own window.

### What You'll Do

- More clearly understand the use of callbacks in Node.
- Learn about a common approach for handling errors in Node.

#### Instructions

• Update **rectangle.js** as shown below:

• Then, update app.js as shown below:

```
const rect = require('./rectangle');
function solveRect(l, w) {
    console.log(`Solving for rectangle with dimensions: ${1}, ${w}`);
    rect(1, w, (err, rectangle) => {
        if (err) {
            console.log('ERROR:', err.message);
        } else {
            console.log(`Area of rectangle with dimensions ${1}, ${w} is: ${rectangle.area()}`);
            console.log(`Perimeter of rectangle with dimensions ${1}, ${w} is: ${rectangle.perimeter()}`);
   });
    console.log('This statement is logged after the call to rect()');
}
solveRect(2, 4);
solveRect(3, 5);
solveRect(0, 5);
solveRect(5, -3);
```

- Run the Node application as before and see the result.
- Optional: Do a Git commit with the message "Node Callbacks and Error Handling".

# Summary

• In this exercise, you learned about using callbacks to delay an operation, and error handling in Node applications.

### **Additional Resources**

- NodeJS What are callbacks?
- NodeJS What are the error conventions?
- MDN JavaScript Global Objects Error

NEXT ACTIVITY
Code Challenge: Node Modules

PREVIOUS ACTIVITY
Prerequisites: Postman and Node

