## Exercise (Instructions): Node Modules: Callbacks and Error Handling

## Objectives and Outcomes

In this exercise, you will learn about callbacks, JavaScript closures and error handling in Node applications. At the end of this exercise, you will be able to:

- Using Callbacks in Node applications
- Error handling in Node applications

## Using Callbacks and Error Handling

• Update rectangle.js as shown below:

```
2000);
```

Then, update index.js as shown below:

```
function solveRect(1,b) {
    console.log("Solving for rectangle with l = "
               + 1 + " and b = " + b);
   rect(1,b, (err,rectangle) => {
        if (err) {
          console.log("ERROR: ", err.message);
      }
       else {
            console.log("The area of the rectangle of dimensions l = "
                + 1 + " and b = " + b + " is " + rectangle.area());
            console.log("The perimeter of the rectangle of dimensions l = "
                + 1 + " and b = " + b + " is " + rectangle.perimeter());
        }
   });
    console.log("This statement after the call to rect()");
};
```

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

## Conclusions

In this exercise, you learnt about using Callbacks and error handling in Node applications. In addition you learnt about using external Node modules.