**Note:** The following must be submitted in a new branch in your repository. The branch must be named **assignment/nodejs-modules**

**Problem 1**

**Module1** : src/logger/logger.js containing the following exported function

* - welcome() -> prints ‘Welcome to my application. I am <name> and a part of FunctionUp Californium cohort.’ on console
* Call welcome in route.js inside the test-me handler

**Problem 2**

**Module 2** : src/util/helper.js

* - printDate() : prints the current date
* - printMonth() : prints the current month
* - getBatchInfo() : prints batch name, week#, Day#, the topic being taught today is ….. For example - Californium, W3D4, the topic for today is Nodejs module system’

Call all these functions in route.js inside the test-me route handler

**Problem 3**

**Module 3**: src/validator/formatter.js

* - trim() : calls the trim function on a hardcoded string for example ‘ functionUp ’
* - changetoLowerCase() : changes the case of the string to lower. [Call toLowerCase() on a hardcoded string]
* - changeToUpperCase() : changes the case of the string to upper case [Call toUpperCase() on a hardcoded string]

Call all these functions in route.js inside the test-me route handler

**Problem 4**

Using the package **‘lodash’** solve below problems(Write all this in route.js in **/test-me** route handler)

- Create an array of strings containing the names all the months of a year and split the array into 4 equally sized sub-arrays using the **chunk** function. Print these sub-arrays on console.

- Create an array containing the first 10 odd numbers. Using the **tail** function, return the last 9 elements of it and print them on console.

- Create 5 arrays of numbers containing a few duplicate values. Using the function **union** create a merged array with only unique values and print them on console

- Use the function **fromPairs** to create an object containing key value pairs. For example [“horror”,”The Shining"],[“drama”,”Titanic"],[“thriller”,”Shutter Island"],[“fantasy”,”Pans Labyrinth"]

**NOTE:** You can write the login in any route of your choice. You can keep one single route for all of these questions or separate ones for each question.