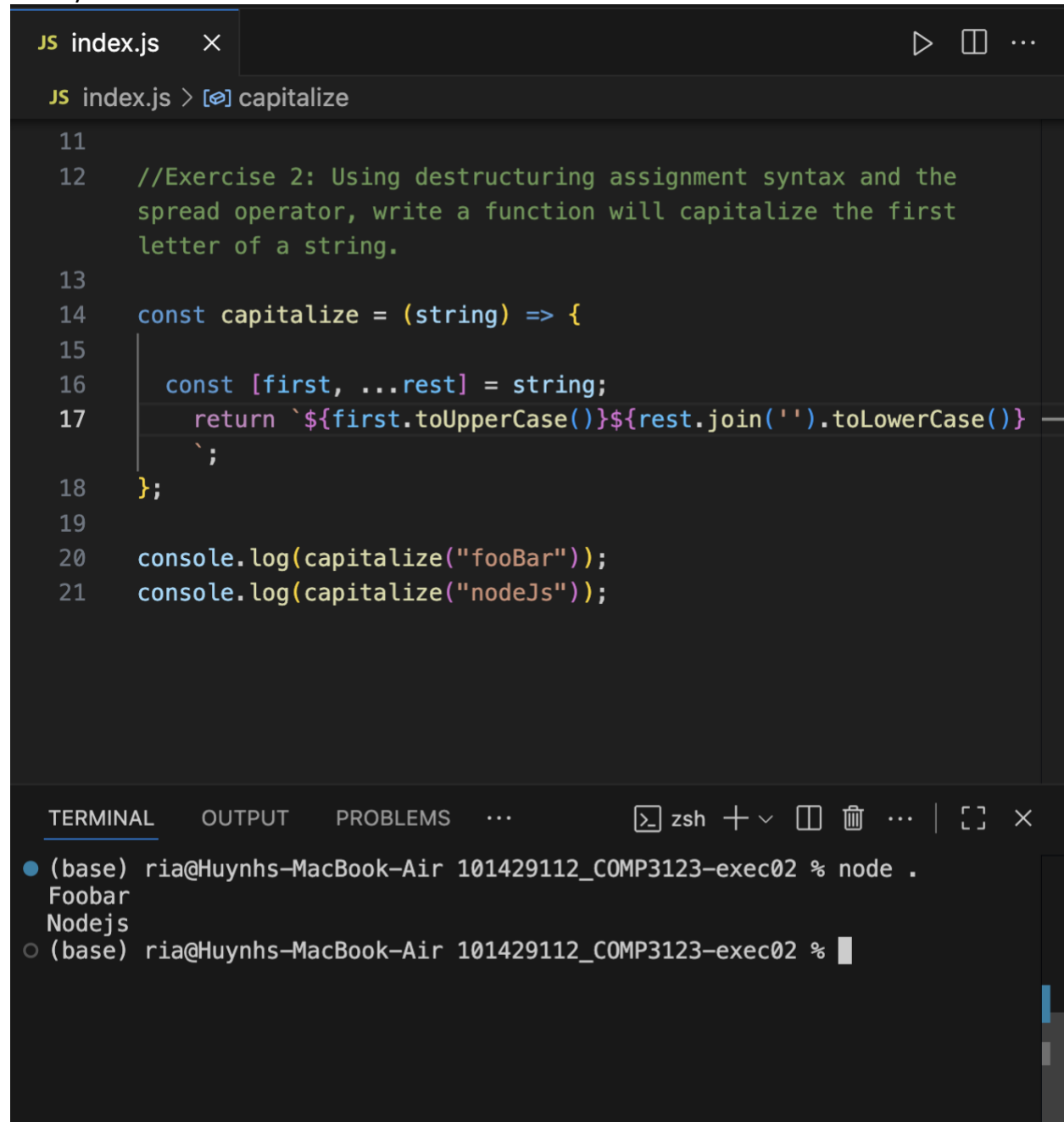


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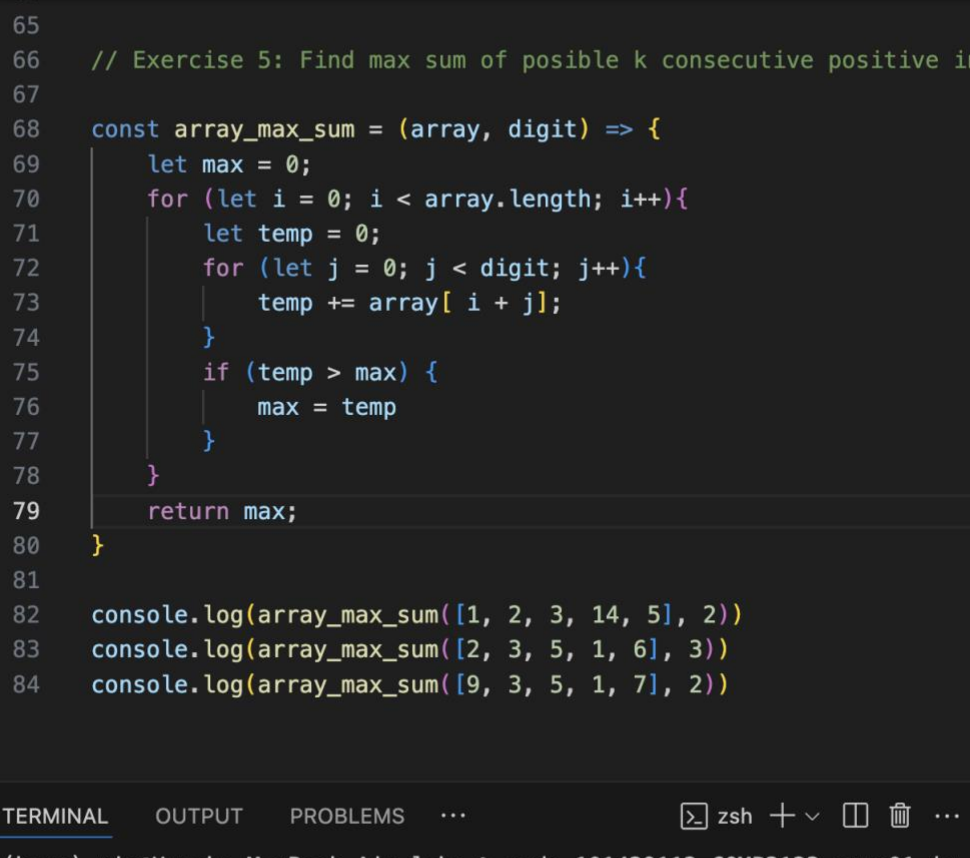
The image shows a VS Code editor window with a file named `index.js` open. The code in the file is as follows:

```
11
12 //Exercise 2: Using destructuring assignment syntax and the
    //spread operator, write a function will capitalize the first
    //letter of a string.
13
14 const capitalize = (string) => {
15     const [first, ...rest] = string;
16     return `${first.toUpperCase()}${rest.join(' ').toLowerCase()}`;
17 }
18
19
20 console.log(capitalize("fooBar"));
21 console.log(capitalize("nodeJs"));
```

Below the editor is a terminal window with the following output:

```
(base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 % node .
Foobar
Nodejs
(base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 %
```

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The image shows a VS Code editor window with a dark theme. The top bar shows the file path: `all2025 > comp3123-fullstack > labs > JS 101429112_COMP3123-exec01.js > array_max_sum`. The editor contains the following JavaScript code:

```
65
66 // Exercise 5: Find max sum of possible k consecutive positive integers
67
68 const array_max_sum = (array, digit) => {
69     let max = 0;
70     for (let i = 0; i < array.length; i++){
71         let temp = 0;
72         for (let j = 0; j < digit; j++){
73             temp += array[i + j];
74         }
75         if (temp > max) {
76             max = temp
77         }
78     }
79     return max;
80 }
81
82 console.log(array_max_sum([1, 2, 3, 14, 5], 2))
83 console.log(array_max_sum([2, 3, 5, 1, 6], 3))
84 console.log(array_max_sum([9, 3, 5, 1, 7], 2))
```

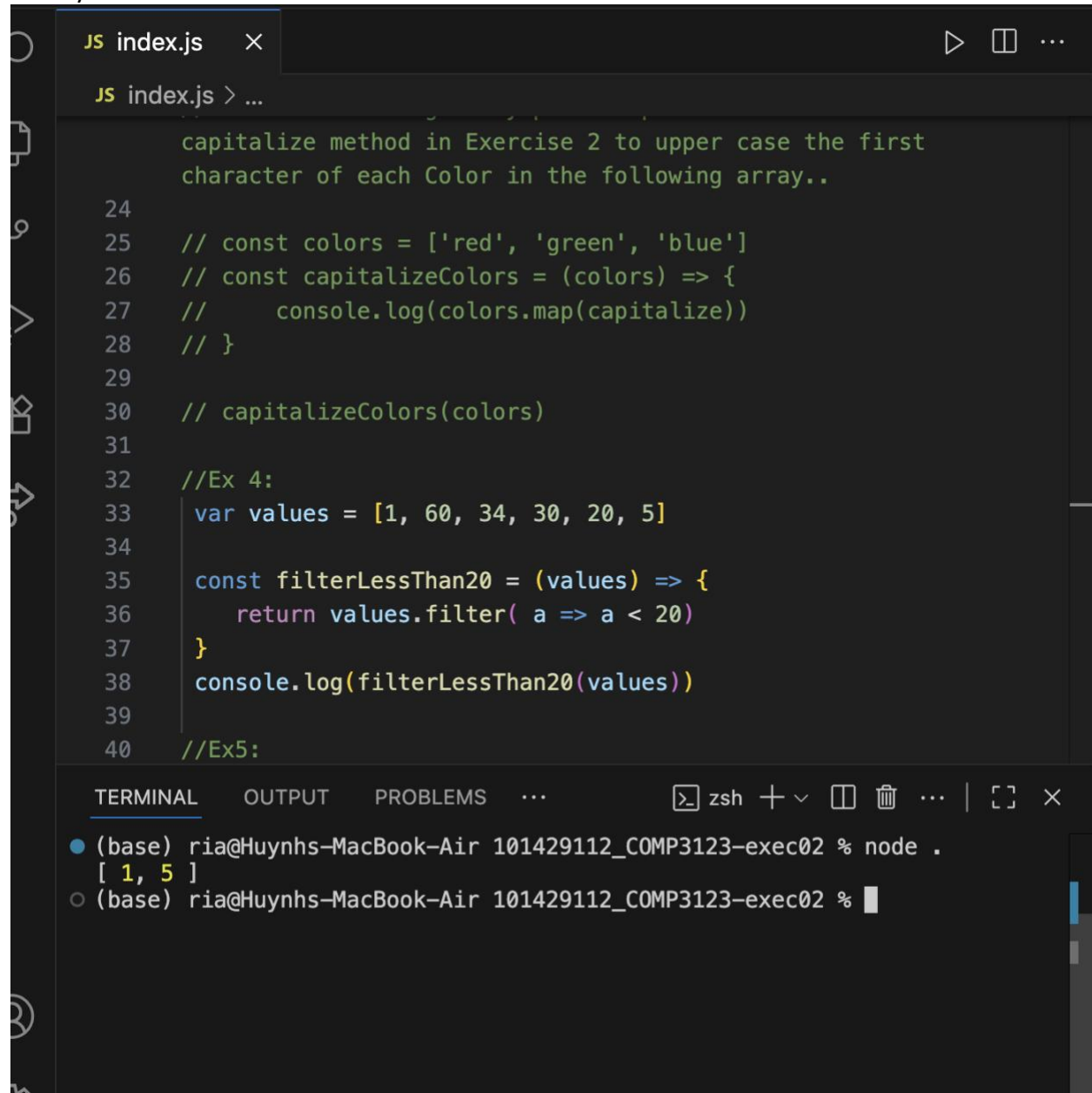
Below the editor is a terminal window with the following content:

```
TERMINAL OUTPUT PROBLEMS ...
(base) ria@Huynhs-MacBook-Air labs % node 101429112_COMP3123-exec01.js
19
12
12
(base) ria@Huynhs-MacBook-Air labs %
```

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The image shows a VS Code editor window with a file named `index.js`. The code in the file is as follows:

```
24  
25 // const colors = ['red', 'green', 'blue']  
26 // const capitalizeColors = (colors) => {  
27 //     console.log(colors.map(capitalize))  
28 // }  
29  
30 // capitalizeColors(colors)  
31  
32 //Ex 4:  
33 var values = [1, 60, 34, 30, 20, 5]  
34  
35 const filterLessThan20 = (values) => {  
36     return values.filter( a => a < 20)  
37 }  
38 console.log(filterLessThan20(values))  
39  
40 //Ex5:
```

Below the code editor is a terminal window with the following output:

```
● (base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 % node .  
[ 1, 5 ]  
○ (base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 %
```

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```
JS index.js ×  
JS index.js > ...  
  
40 //Ex5:  
41  
42 var array = [1,2,3,4]  
43  
44 const calculateSum = (array) => {  
45 |   return array.reduce( (acc, curr) => acc + curr, 0 )  
46 | }  
47  
48 const calculateProduct= (array) => {  
49 |   return array.reduce( (acc, curr) => acc * curr, 1 )  
50 | }  
51  
52 console.log(calculateSum(array))  
53 console.log(calculateProduct(array))
```

TERMINAL OUTPUT PROBLEMS ... zsh + v [] [x] [y]

```
(base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 % node .  
10  
24  
(base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 %
```

```
JS index.js x
JS index.js > Sedan

54
55 // Ex 6: Using ES6 syntax for class and subclass using extends
    to create a Sedan subclass which derives from Car Class. The
    parameters for the Car class is the model and year. The
    parameters for the subclass is the model, year and balance.
56 // Use the super key word in the Sedan subclass to set the model
    and name in base Car constructor.
57
58 > class Car { ...
66 }
67
68 > class Sedan extends Car { ...
80 }
81
82 const car2 = new Car("Pontiac Firebird", 1976);
83 const sedan = new Sedan("Toyota Camry", 2022, 25000);
84 console.log(car2.details())
85 console.log(sedan.info());
86
87

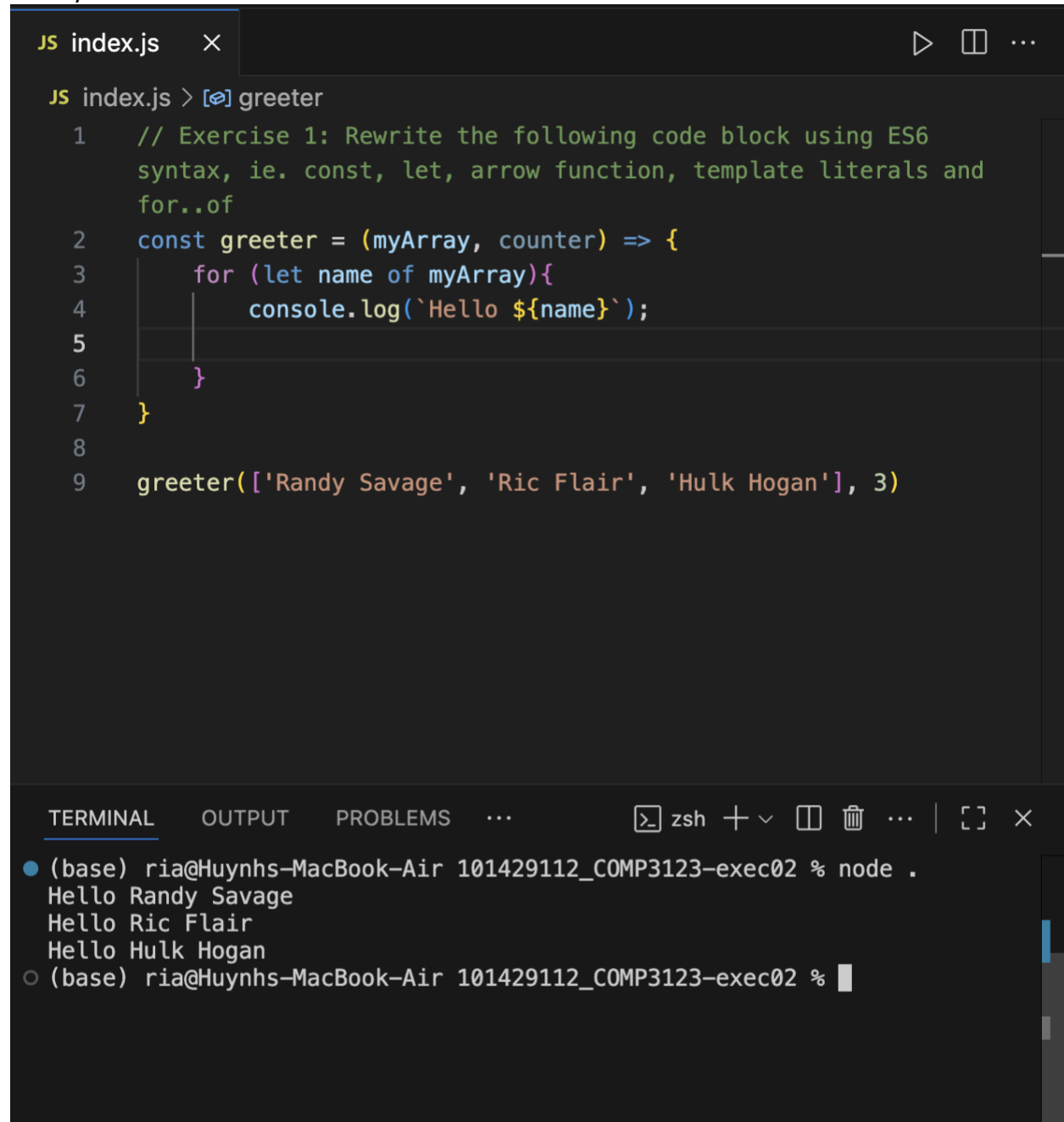
TERMINAL OUTPUT PROBLEMS ...
zsh + v [ ] [ ] ... | [ ] [ ] x

● (base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 % node .
Model: Pontiac Firebird, Year: 1976
Toyota Camry has a balance of 25000
○ (base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 % [ ]
```

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The image shows a VS Code editor window with a file named `index.js`. The code in the file is as follows:

```
1 // Exercise 1: Rewrite the following code block using ES6
  // syntax, ie. const, let, arrow function, template literals and
  // for..of
2 const greeter = (myArray, counter) => {
3   for (let name of myArray){
4     console.log(`Hello ${name}`);
5   }
6 }
7
8
9 greeter(['Randy Savage', 'Ric Flair', 'Hulk Hogan'], 3)
```

Below the editor is a terminal window with the following output:

```
(base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 % node .
Hello Randy Savage
Hello Ric Flair
Hello Hulk Hogan
(base) ria@Huynhs-MacBook-Air 101429112_COMP3123-exec02 %
```