

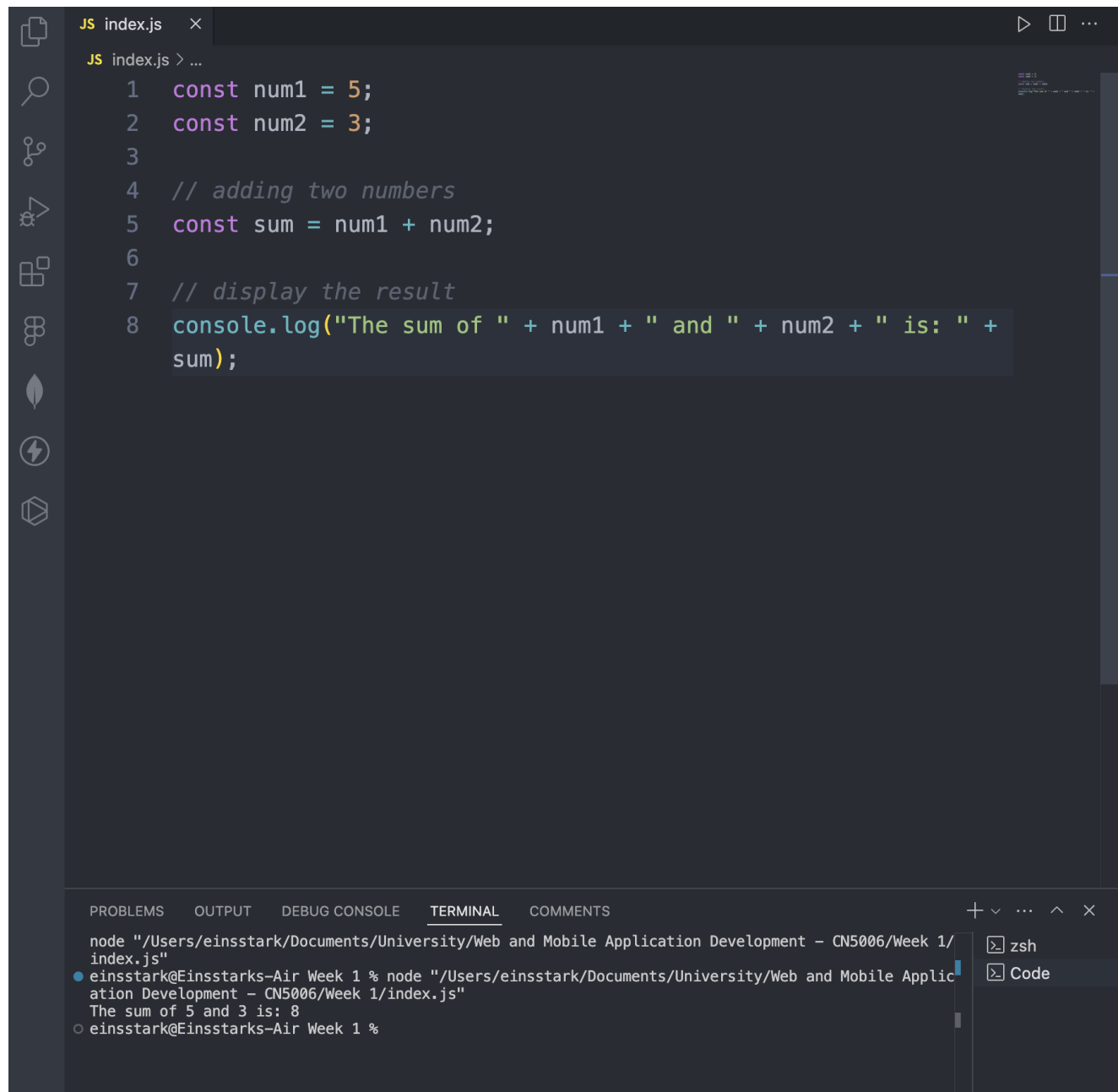
Week 1 Portfolio

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1. Screenshots

Program to add two numbers and print result in console:



The screenshot displays a code editor with a dark theme. The editor has a sidebar on the left with icons for Explorer, Search, Source Control, Run and Debug, Extensions, Testing, and Settings. The main editor area shows a file named 'index.js' with the following JavaScript code:

```
1 const num1 = 5;  
2 const num2 = 3;  
3  
4 // adding two numbers  
5 const sum = num1 + num2;  
6  
7 // display the result  
8 console.log("The sum of " + num1 + " and " + num2 + " is: " +  
  sum);
```

Below the code editor is a terminal window with tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and COMMENTS. The TERMINAL tab is active, showing the command to run the script and its output:

```
node "/Users/einsstark/Documents/University/Web and Mobile Application Development - CN5006/Week 1/  
index.js"  
● einsstark@Einsstarks-Air Week 1 % node "/Users/einsstark/Documents/University/Web and Mobile Applic  
ation Development - CN5006/Week 1/index.js"  
The sum of 5 and 3 is: 8  
○ einsstark@Einsstarks-Air Week 1 %
```

On the right side of the terminal, there are icons for 'zsh' and 'Code'.

Program that can perform addition, subtraction, multiplication, and division of two numbers:

```
JS index.js x
JS index.js > ...
1  const ps = require("prompt-sync");
2  const prompt = ps();
3
4  let num1 = prompt("Enter the num1: ");
5  let num2 = prompt("Enter the numb2: ");
6
7  const sum = num1 + num2;
8  const subtraction = num1 - num2;
9  const multiplication = num1 * num2;
10 const division = num1 / num2;
11
12 // display the output
13 console.log('The sum is ' + sum);
14 console.log('The subtraction of is ' + subtraction);
15 console.log('The multiplication of numbers is ' +
multiplication);
16 console.log('The division of numbers is ' + division);
17
18
19
20
21
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

```
node "/Users/einsstark/Documents/University/Web and Mobile Application Development - CN5006/Week 1/index.js"
einsstark@Einsstarks-Air Week 1 % node "/Users/einsstark/Documents/University/Web and Mobile Application Development - CN5006/Week 1/index.js"
Enter the num1: 23
Enter the numb2: 25
The sum is 2325
The subtraction of is -2
The multiplication of numbers is 575
The division of numbers is 0.92
einsstark@Einsstarks-Air Week 1 %
```

2. Reflection

In week 1 lab, I learned how to set up a JavaScript development environment using Visual Studio Code and Node.js. It was my first experience writing JavaScript code, which made me very excited. As per the instructions I practiced operations such as addition.

I also worked on a program that performs addition, subtraction, multiplication, and division with two numbers (as in screenshot above). This exercise helped me better understand the logic behind using user input and applying operations dynamically. Overall, I feel more

confident in using JavaScript and Visual Studio Code, especially understanding how to navigate directories and execute programs in the terminal using terminal commands.