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CN5005

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**MODULE:** WEB AND MOBILE APPLICATION DEVELOPMENT (CN5006)

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The screenshot displays the Visual Studio Code interface with a workspace named 'CN5006WB [Codespaces: crispy space lamp]'. The Explorer sidebar on the left shows a file structure with 'week1' containing 'index.js', 'package-lock.json', 'package.json', and 'README.md'. The main editor window shows the content of 'index.js', which is a JavaScript program that prompts the user for two numbers and performs various arithmetic operations. The program uses `prompt-sync` for user input and `console.log` for output. The output window at the bottom shows the execution results, including the sum, subtraction, multiplication, and division of the input numbers (23 and 23).

```
1 // index.js
2 const prompt = require('prompt-sync'); // This line is essential
3 console.log("starting")
4 //input numbers
5 const num1 = parseInt(prompt('Enter your number 1: '));
6 console.log('Number 1 is ${num1}');
7 const num2 = parseInt(prompt('Enter your number 2: '));
8 console.log('Number 2 is ${num2}');
9
10 // add 2 numbers
11 const sum= num1 + num2 ;
12 // display the sum
13 console.log('The sum of ' + num1 + ' and ' + num2 + ' is: ' + sum);
14 //subscripton for 2 numbers
15 const subtraction = num1 - num2;
16 //Display the subscripton
17 console.log('The result of subtracting ' + num2 + ' from ' + num1 + ' is: ' + subtraction);
18 // Multiplication for the 2 numbers
19 const multiplication = num1 * num2;
20 // display the result
21 console.log('The product of ' + num1 + ' and ' + num2 + ' is: ' + multiplication);
22 // division for the 3 numbers
23 const division = num1 / num2;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
bash - week1
Enter your number 1: 23
Number 1 is 23
Enter your number 2: 23
Number 2 is 23
The sum of 23 and 23 is: 46
The result of subtracting 23 from 23 is: 0
The product of 23 and 23 is: 529
The result of dividing 23 by 23 is: 1
@nilakiri74-blip → /workspaces/CN5006WB/week1 (main) $
```

## WEEK 1 Reflection

This week's lab marked my first time writing and running JavaScript programs in VS Code. I had learned to make a .js file, use Node.js to run code, and get input from a user with `prompt-sync`. I did have one minor issue where I had to make sure that I was in the right directory before running my program, which I overcame by using the `pwd` and `cd` commands. This lab helped me understand some basic arithmetic operations, how input and output are dealt with, and the general workflow of writing to run JavaScript code. All in all, it was a good first step into programming with JavaScript.