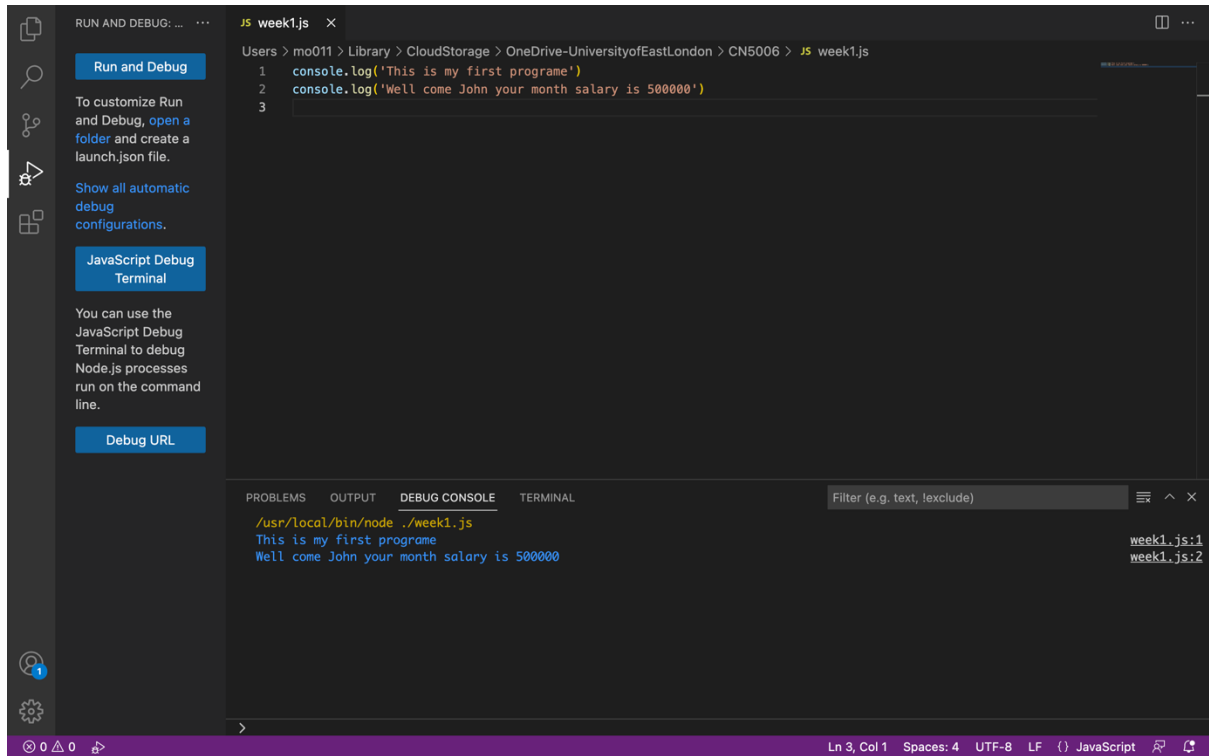


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Mohamed Metwaly

Week 1 Portfolio

First exercise



The screenshot shows the VS Code Run and Debug interface. The editor displays a file named `week1.js` with the following code:

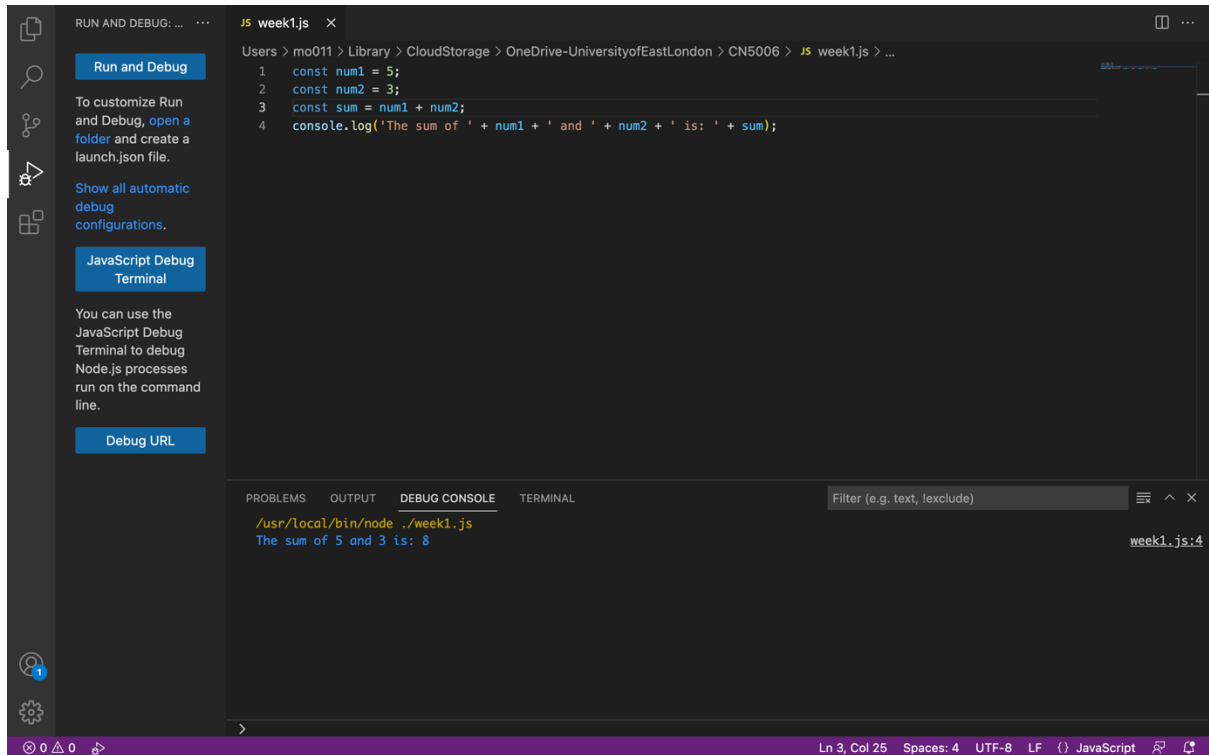
```
1 console.log('This is my first programe')
2 console.log('Well come John your month salary is 500000')
3
```

The left sidebar contains the 'Run and Debug' section with instructions and a 'JavaScript Debug Terminal' button. The bottom panel shows the 'DEBUG CONSOLE' with the output:

```
/usr/local/bin/node ./week1.js
This is my first programe
Well come John your month salary is 500000
```

The status bar at the bottom indicates 'Ln 3, Col 1', 'Spaces: 4', 'UTF-8', 'LF', and 'JavaScript'.

2 exercise



The screenshot shows the VS Code Run and Debug interface. The editor displays a file named `week1.js` with the following code:

```
1 const num1 = 5;
2 const num2 = 3;
3 const sum = num1 + num2;
4 console.log('The sum of ' + num1 + ' and ' + num2 + ' is: ' + sum);
```

The left sidebar contains the 'Run and Debug' section with instructions and a 'JavaScript Debug Terminal' button. The bottom panel shows the 'DEBUG CONSOLE' with the output:

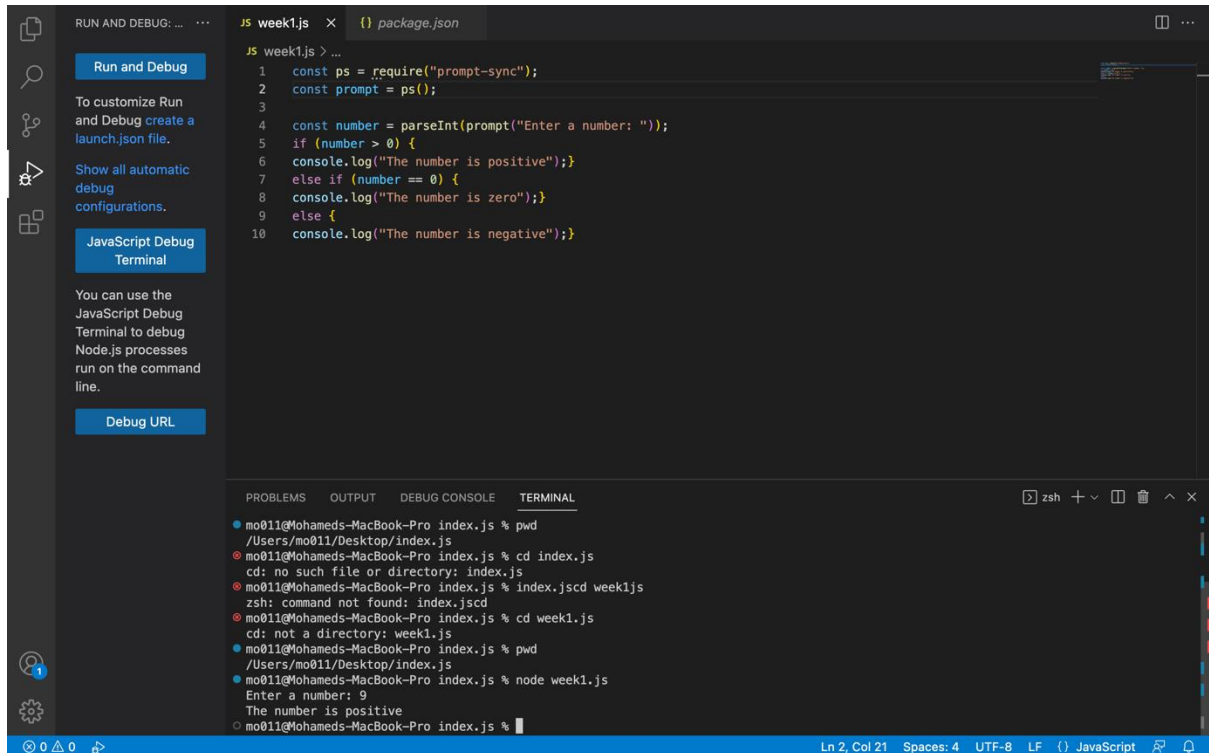
```
/usr/local/bin/node ./week1.js
The sum of 5 and 3 is: 8
```

The status bar at the bottom indicates 'Ln 3, Col 25', 'Spaces: 4', 'UTF-8', 'LF', and 'JavaScript'.

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3 exercise



The screenshot shows the VS Code editor with a file named `week1.js` open. The code in the file is as follows:

```
1 const ps = require("prompt-sync");
2 const prompt = ps();
3
4 const number = parseInt(prompt("Enter a number: "));
5 if (number > 0) {
6   console.log("The number is positive");
7 } else if (number == 0) {
8   console.log("The number is zero");
9 } else {
10  console.log("The number is negative");
11 }
```

The terminal output shows the following commands and results:

```
mo011@Mohameds-MacBook-Pro index.js % pwd
/Users/mo011/Desktop/index.js
mo011@Mohameds-MacBook-Pro index.js % cd index.js
cd: no such file or directory: index.js
mo011@Mohameds-MacBook-Pro index.js % index.jscd week1js
zsh: command not found: index.jscd
mo011@Mohameds-MacBook-Pro index.js % cd week1.js
cd: not a directory: week1.js
mo011@Mohameds-MacBook-Pro index.js % pwd
/Users/mo011/Desktop/index.js
mo011@Mohameds-MacBook-Pro index.js % node week1.js
Enter a number: 9
The number is positive
mo011@Mohameds-MacBook-Pro index.js %
```

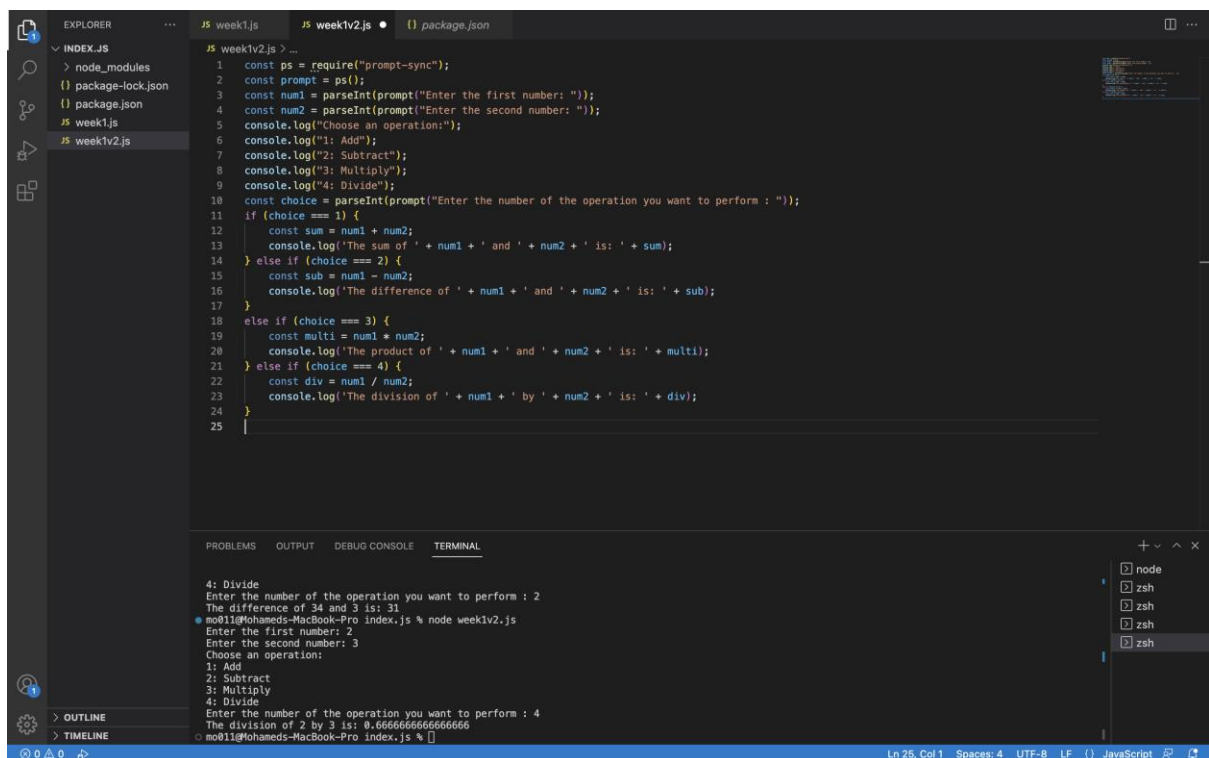
My self-evaluation for week 1 is as follows:

I learnt some key words in JS such as Const, and prompt.

I also learnt to use the basics of terminal such as PWD.

I understood what `parseInt(prompt(" "));` mean.

The last exercise for week 1



The screenshot shows the VS Code editor with a file named `week1v2.js` open. The code in the file is as follows:

```
1 const ps = require("prompt-sync");
2 const prompt = ps();
3 const num1 = parseInt(prompt("Enter the first number: "));
4 const num2 = parseInt(prompt("Enter the second number: "));
5 console.log("Choose an operation:");
6 console.log("1: Add");
7 console.log("2: Subtract");
8 console.log("3: Multiply");
9 console.log("4: Divide");
10 const choice = parseInt(prompt("Enter the number of the operation you want to perform : "));
11 if (choice === 1) {
12   const sum = num1 + num2;
13   console.log("The sum of " + num1 + " and " + num2 + " is: " + sum);
14 } else if (choice === 2) {
15   const sub = num1 - num2;
16   console.log("The difference of " + num1 + " and " + num2 + " is: " + sub);
17 }
18 else if (choice === 3) {
19   const multi = num1 * num2;
20   console.log("The product of " + num1 + " and " + num2 + " is: " + multi);
21 } else if (choice === 4) {
22   const div = num1 / num2;
23   console.log("The division of " + num1 + " by " + num2 + " is: " + div);
24 }
25
```

The terminal output shows the following commands and results:

```
4: Divide
Enter the number of the operation you want to perform : 2
The difference of 34 and 3 is: 31
mo011@Mohameds-MacBook-Pro index.js % node week1v2.js
Enter the first number: 2
Enter the second number: 3
Choose an operation:
1: Add
2: Subtract
3: Multiply
4: Divide
Enter the number of the operation you want to perform : 4
The division of 2 by 3 is: 0.6666666666666666
mo011@Mohameds-MacBook-Pro index.js %
```

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This is one I learned how to use the console the thing is I learned how to use if and else in first year so it was quite simple problem I found was using a new language