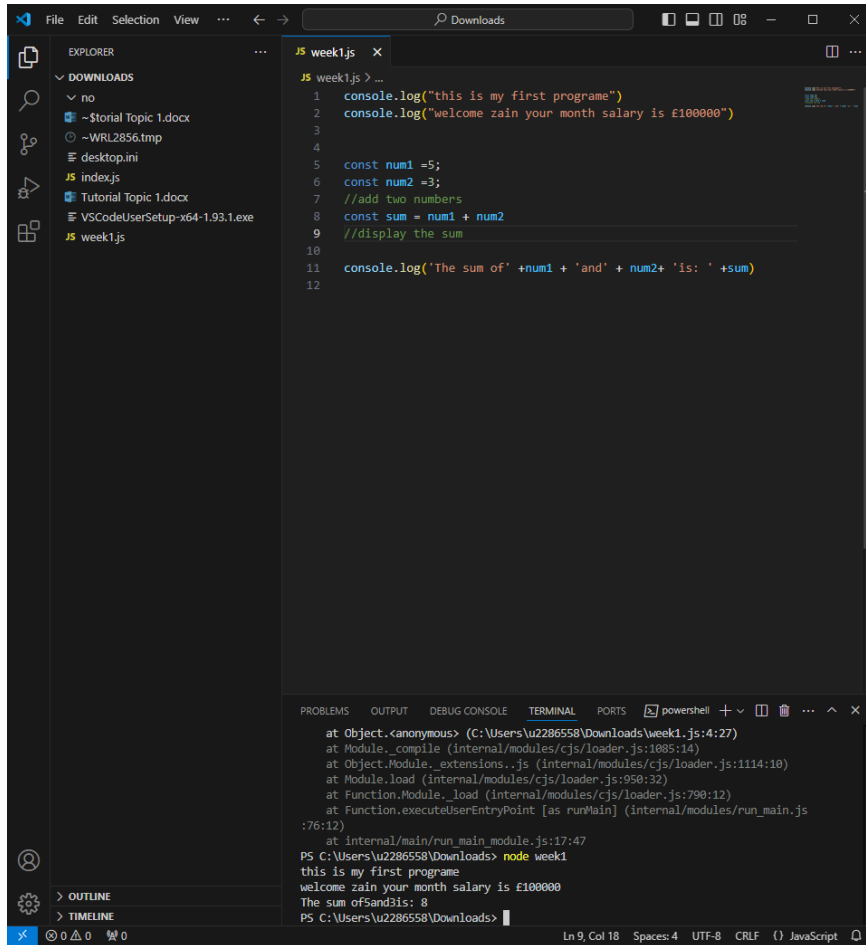


Week 1



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays the file structure of the 'Downloads' folder, with 'week1.js' selected. The main editor area shows the content of 'week1.js', which contains JavaScript code for logging messages and calculating the sum of two numbers. The terminal panel at the bottom shows the output of running 'node week1', displaying the logged messages and the calculated sum.

```
JS week1.js > ...
1 console.log("this is my first programe")
2 console.log("welcome zain your month salary is £100000")
3
4
5 const num1 =5;
6 const num2 =3;
7 //add two numbers
8 const sum = num1 + num2
9 //display the sum
10
11 console.log('The sum of ' +num1 + 'and' + num2+ 'is: ' +sum)
12
```

```
at Object.<anonymous> (C:\Users\u2286558\Downloads\week1.js:4:27)
at Module._compile (internal/modules/cjs/loader.js:1085:14)
at Object.Module._extensions..js (internal/modules/cjs/loader.js:1114:10)
at Module.load (internal/modules/cjs/loader.js:950:32)
at Function.Module._load (internal/modules/cjs/loader.js:790:12)
at Function.executeUserEntryPoint [as runMain] (internal/modules/run_main.js:76:12)
at internal/main/run_main_module.js:17:47
PS C:\Users\u2286558\Downloads> node week1
this is my first programe
welcome zain your month salary is £100000
The sum of 5 and 3 is: 8
PS C:\Users\u2286558\Downloads>
```

In this first task I first created 2 variables to add two numbers together and then output the answer.

The screenshot shows the Visual Studio Code (VS Code) interface. The Explorer sidebar on the left displays the file structure of the 'Downloads' folder, including files like 'no', 'node_modules', 'Tutorial Topic 1.docx', 'VSCodeUserSetup-x64-1.93.1.exe', and 'week1.js'. The main editor area is open to 'week1.js', which contains a JavaScript program that checks if a user input is positive, negative, or zero. The code uses the 'prompt-sync' package for user input and 'parseInt' for parsing. It uses an 'if-else if' statement to handle the three cases. The bottom panel shows the 'TERMINAL' view with the output of running 'node week1'. It shows npm warnings about missing fields in the package.json, the installation of 'prompt-sync@4.2.0', and the execution of the program where the user enters '12' and the output is 'The number is positive'.

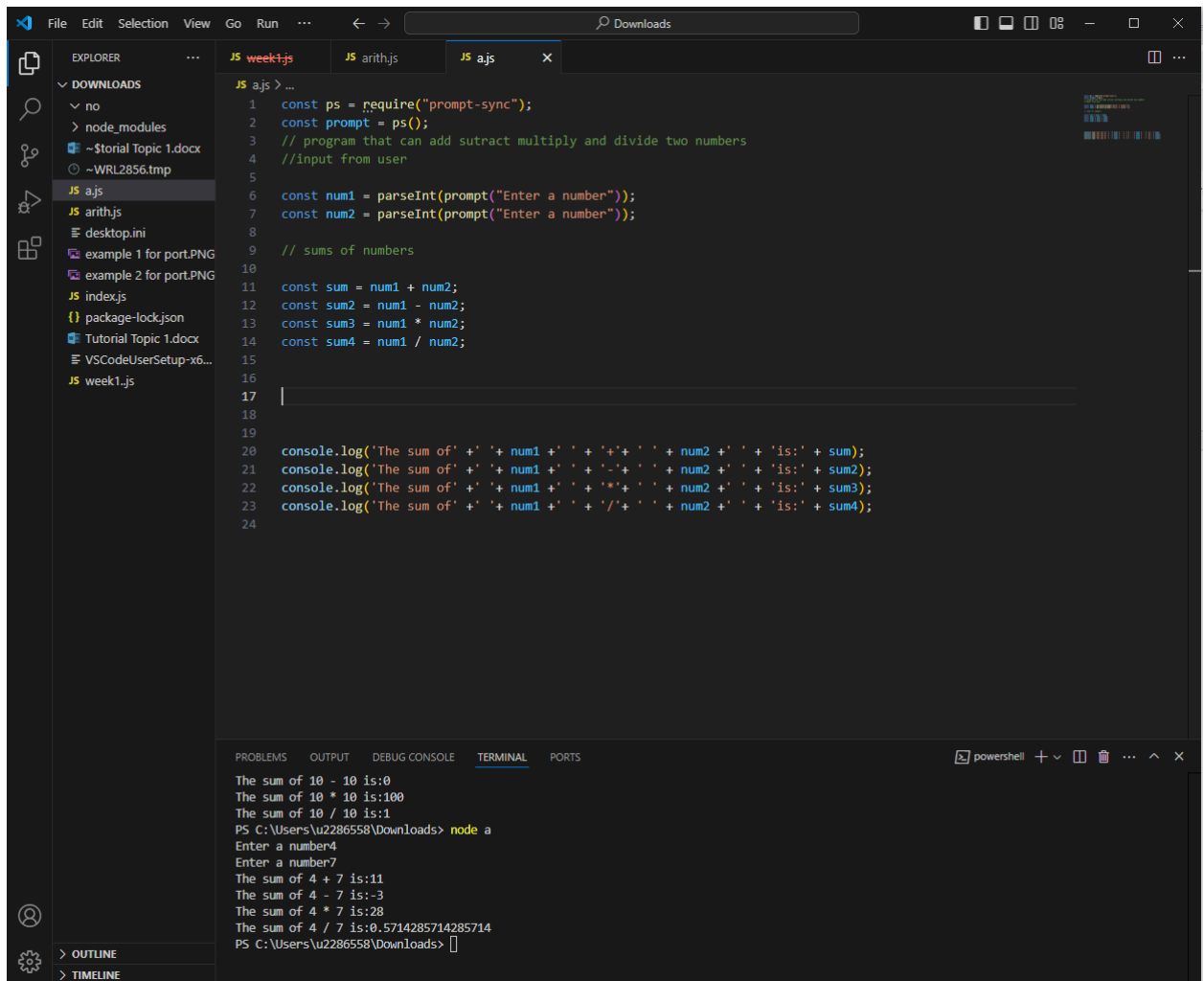
```
JS week1.js > ...
1 // program that checks of the number is positive, negative or zero
2 // input from the user
3 const ps = require("prompt-sync");
4 const prompt = ps();
5
6 const number = parseInt(prompt("Enter a number"));
7
8 //check if the number is greater than 0
9 if (number > 0)
10 {
11     console.log("The number is positive");
12 }
13
14 // check if number is 0
15 else if (number == 0)
16 {
17     console.log("The number is zero");
18 }
19
20 //if the number is less than 0
21 else
22 {
23     console.log("The number is negative");
24 }
25
26
27
```

npm WARN Downloads No description
npm WARN Downloads No repository field.
npm WARN Downloads No README data
npm WARN Downloads No license field.

+ prompt-sync@4.2.0
added 3 packages from 3 contributors and audited 3 packages in 0.661s
found 0 vulnerabilities

PS C:\Users\u2286558\Downloads> node week1
Enter a number12
The number is positive
PS C:\Users\u2286558\Downloads>

In the task I made a program which checks if a number is positive, negative or zero. During this task I learnt how to take an input from the user and how to implement an else if statement.



```
1 const ps = require("prompt-sync");
2 const prompt = ps();
3 // program that can add subtract multiply and divide two numbers
4 //input from user
5
6 const num1 = parseInt(prompt("Enter a number"));
7 const num2 = parseInt(prompt("Enter a number"));
8
9 // sums of numbers
10
11 const sum = num1 + num2;
12 const sum2 = num1 - num2;
13 const sum3 = num1 * num2;
14 const sum4 = num1 / num2;
15
16
17
18
19
20 console.log('The sum of ' + num1 + ' + ' + num2 + ' is: ' + sum);
21 console.log('The sum of ' + num1 + ' - ' + num2 + ' is: ' + sum2);
22 console.log('The sum of ' + num1 + ' * ' + num2 + ' is: ' + sum3);
23 console.log('The sum of ' + num1 + ' / ' + num2 + ' is: ' + sum4);
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\u2286558\Downloads> node a
Enter a number4
Enter a number7
The sum of 4 + 7 is:11
The sum of 4 - 7 is:-3
The sum of 4 * 7 is:28
The sum of 4 / 7 is:0.5714285714285714
PS C:\Users\u2286558\Downloads>
```

Lastly I was asked to write a program that can take two numbers from the user and then add, subtract, multiply and divide them. Firstly, I imported prompt sync to capture input from the user and put the numbers into” num1” and” num2” variables.

I then wrote the equations of the numbers with the new variable's “sum” to “sum4” to store and answers

I finally created a console log statement to output the answers to the user.