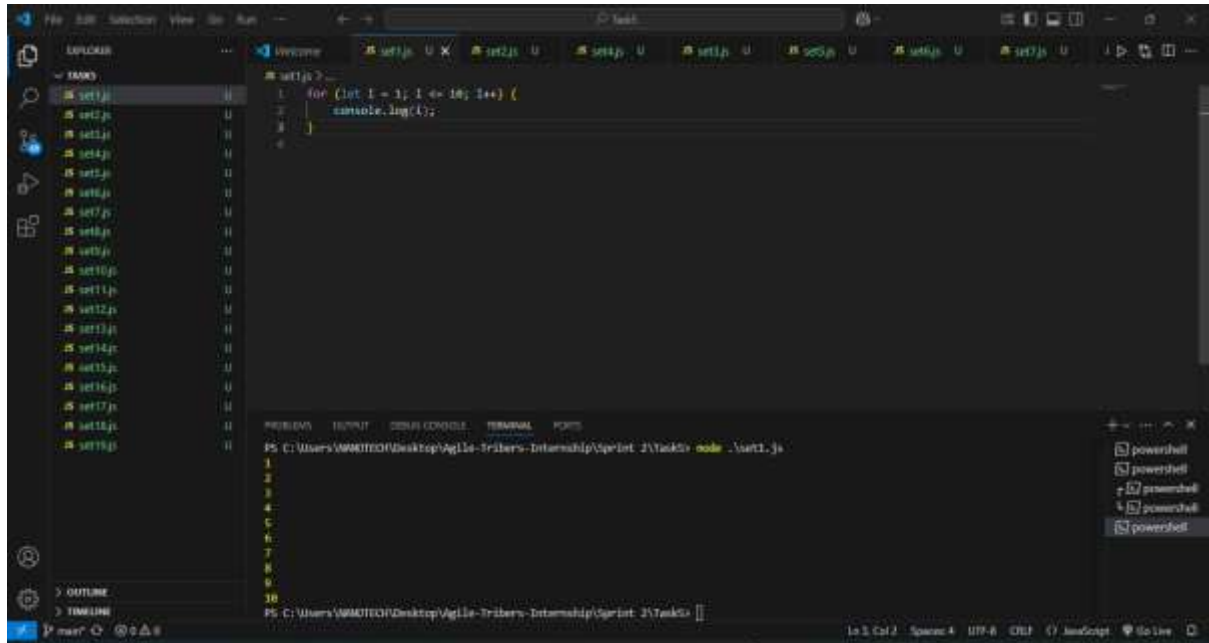


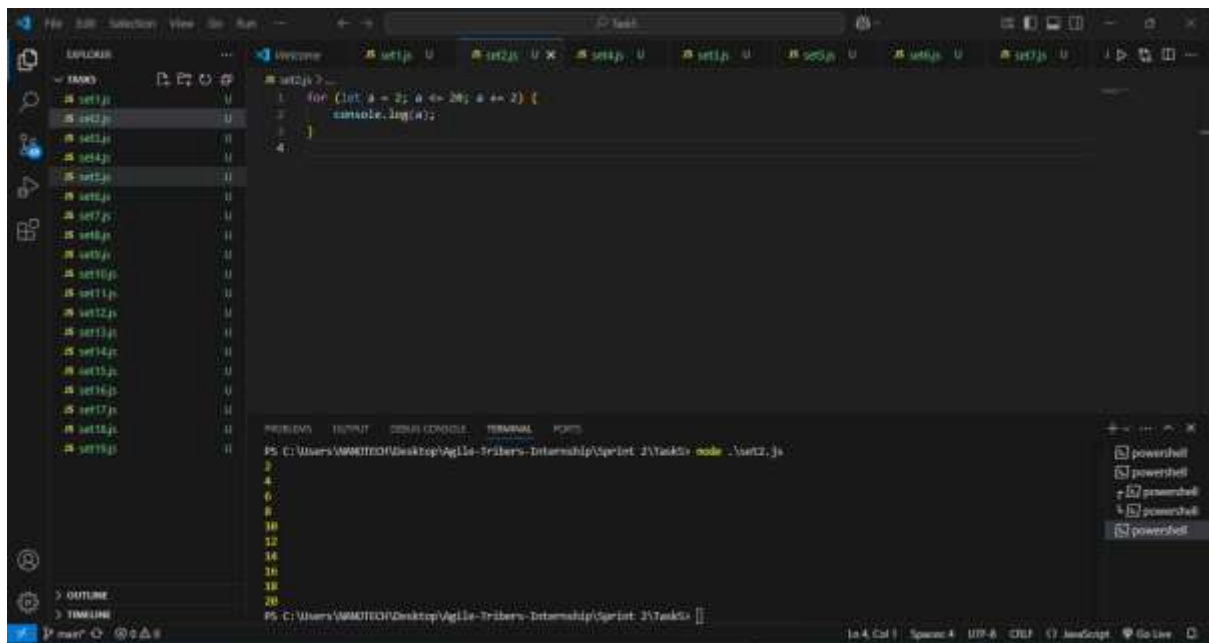
Set1



```
set1.js > ...
1 for (let i = 1; i <= 10; i++) {
2   console.log(i);
3 }
4
```

```
PS C:\Users\WABTEO\Desktop\Agile-Trailers-Internship\Sp\set 2\Tasks> node .\set1.js
1
2
3
4
5
6
7
8
9
10
PS C:\Users\WABTEO\Desktop\Agile-Trailers-Internship\Sp\set 2\Tasks>
```

Set2



```
set2.js > ...
1 for (let i = 2; i <= 20; i += 2) {
2   console.log(i);
3 }
4
```

```
PS C:\Users\WABTEO\Desktop\Agile-Trailers-Internship\Sp\set 2\Tasks> node .\set2.js
2
4
6
8
10
12
14
16
18
20
PS C:\Users\WABTEO\Desktop\Agile-Trailers-Internship\Sp\set 2\Tasks>
```

The screenshot shows the VS Code editor interface. The file explorer on the left displays a directory structure with files named 'task1.js' through 'task19.js'. The main editor area shows the content of 'task3.js', which contains a function 'factor(n)' that calculates the product of numbers from 1 to n. The terminal at the bottom shows the command 'node -task3.js' being executed, and the output shows the result of the function call.

The screenshot shows the Visual Studio Code interface. On the left, the 'EXPLORER' sidebar displays a directory structure with files named 'set1.js' through 'set19.js'. The main editor window shows the code for 'set1.js':

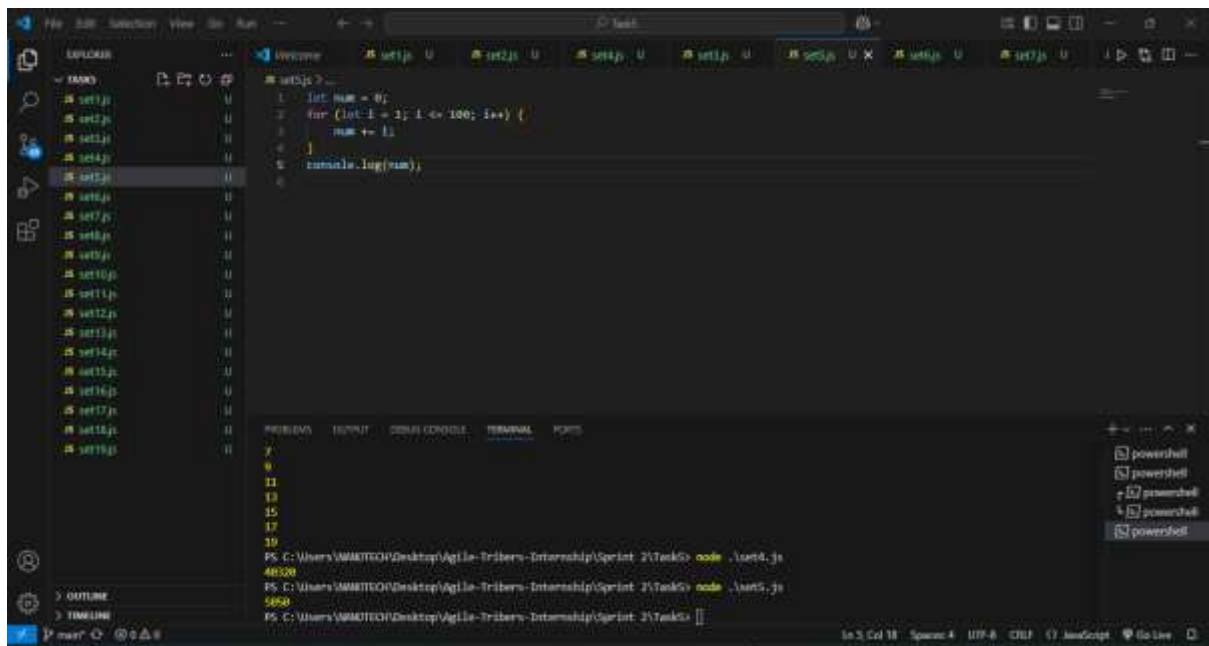
```

1  for (let a = 1; a <= 20; a += 1) {
2      console.log(a);
3  }

```

The bottom panel contains the 'TERMINAL' tab, which is currently empty. The status bar at the bottom indicates the active file is 'set1.js'.

Set5



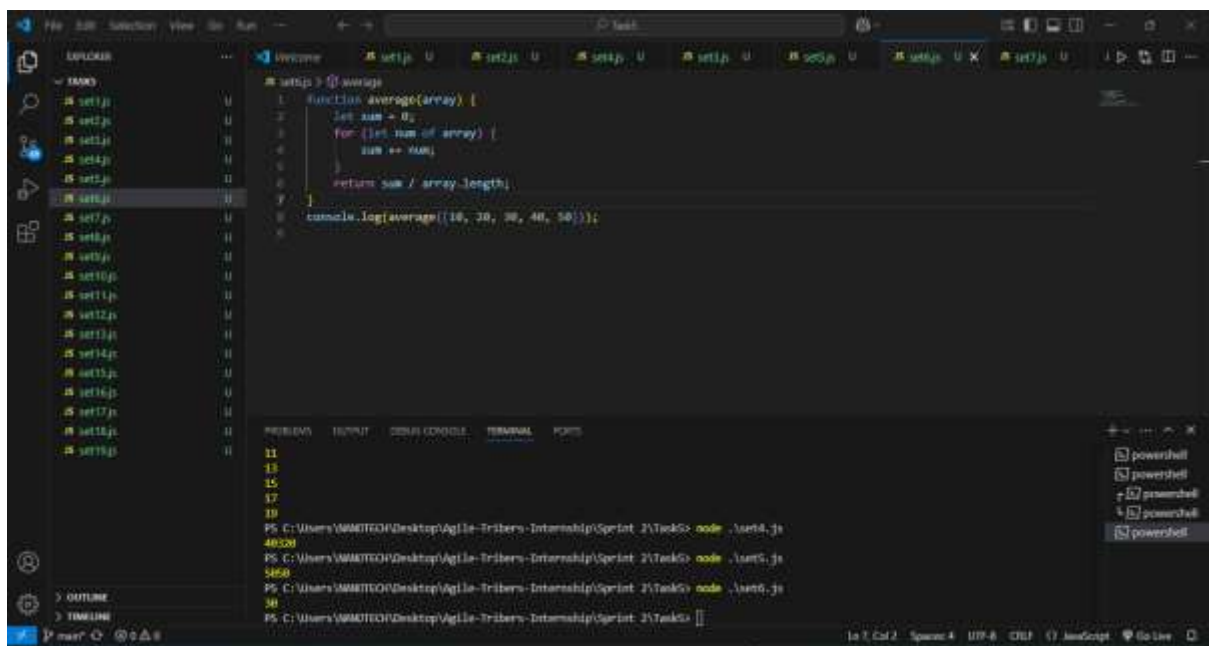
The screenshot shows the VS Code editor with a file explorer on the left containing a directory named 'TASKS' with files 'set1.js' through 'set19.js'. The main editor displays 'set5.js' with the following code:

```
1 let sum = 0;
2 for (let i = 1; i <= 100; i++) {
3   sum += i;
4 }
5 console.log(sum);
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
7
9
11
13
15
17
19
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set4.js
4050
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set5.js
5050
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5>
```

Set6



The screenshot shows the VS Code editor with the same file explorer. The main editor displays 'set6.js' with the following code:

```
1 function average(array) {
2   let sum = 0;
3   for (let num of array) {
4     sum += num;
5   }
6   return sum / array.length;
7 }
8 console.log(average([10, 20, 30, 40, 50]));
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
11
13
15
17
19
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set4.js
4050
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set5.js
5050
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set6.js
30
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5>
```

The screenshot shows a Visual Studio Code editor with a file named `set.js` open. The file contains the following JavaScript code:

```

1 let n = 8;
2 for (let i = 1; i <= n; i++)
3 {
4     let abc = "";
5     for (let j = 1; j <= i; j++)
6     {
7         abc += " ";
8     }
9     console.log(abc);
10 }
11

```

The file explorer on the left shows a directory structure with files named `set1.js` through `set19.js`. The terminal at the bottom shows the command `node .\set.js 30` being executed, resulting in the output `30`.

Set9

The screenshot shows the VS Code interface with the 'EXPLORER' sidebar on the left displaying a file tree under 'TASKS'. The main editor area shows a file named 'set9.js' with the following JavaScript code:

```
1 for (let i = 1; i <= 10; i++) {  
2   console.log(i);  
3 }  
4
```

The 'TERMINAL' panel at the bottom shows the command prompt output:

```
PS C:\Users\WAMTED\Desktop\Agile-Tribers-Internship\Sprint_2\Tasks> node .\set9.js  
1  
2  
3  
4  
5  
PS C:\Users\WAMTED\Desktop\Agile-Tribers-Internship\Sprint_2\Tasks>
```

The status bar at the bottom indicates '1a 4, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', 'JavaScript', and 'Go Live'.

Set10

The screenshot shows the VS Code interface with the 'EXPLORER' sidebar on the left displaying a file tree under 'TASKS'. The main editor area shows a file named 'set10.js' with the following JavaScript code:

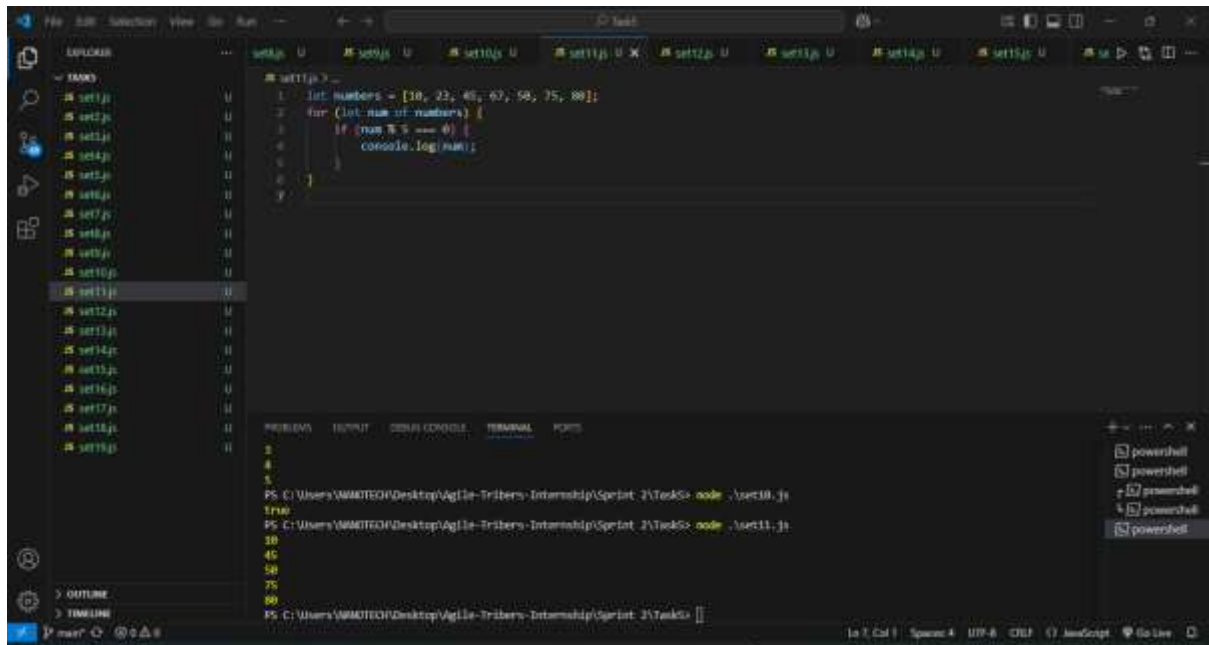
```
1 function list(arr) {  
2   return arr[0] === arr[arr.length - 1];  
3 }  
4 console.log(list([10, 20, 30, 40, 10]));  
5
```

The 'TERMINAL' panel at the bottom shows the command prompt output:

```
PS C:\Users\WAMTED\Desktop\Agile-Tribers-Internship\Sprint_2\Tasks> node .\set10.js  
true  
PS C:\Users\WAMTED\Desktop\Agile-Tribers-Internship\Sprint_2\Tasks>
```

The status bar at the bottom indicates '1a 5, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', 'JavaScript', and 'Go Live'.

Set11



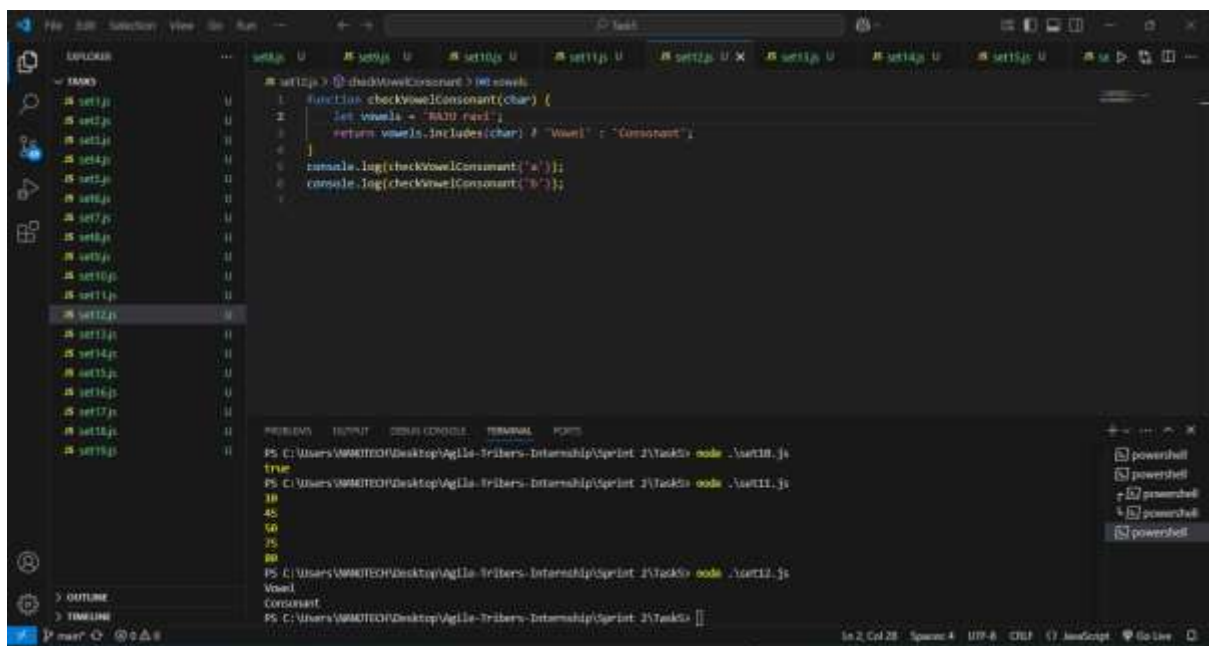
The screenshot shows the VS Code editor with a file explorer on the left containing a folder named 'TASKS' with files 'set1.js' through 'set19.js'. The main editor displays 'set11.js' with the following JavaScript code:

```
1 let numbers = [10, 22, 45, 67, 58, 75, 89];
2 for (let num of numbers) {
3   if (num % 5 === 0) {
4     console.log(num);
5   }
6 }
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks> node .\set10.js
true
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks> node .\set11.js
10
45
58
75
89
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks>
```

Set12



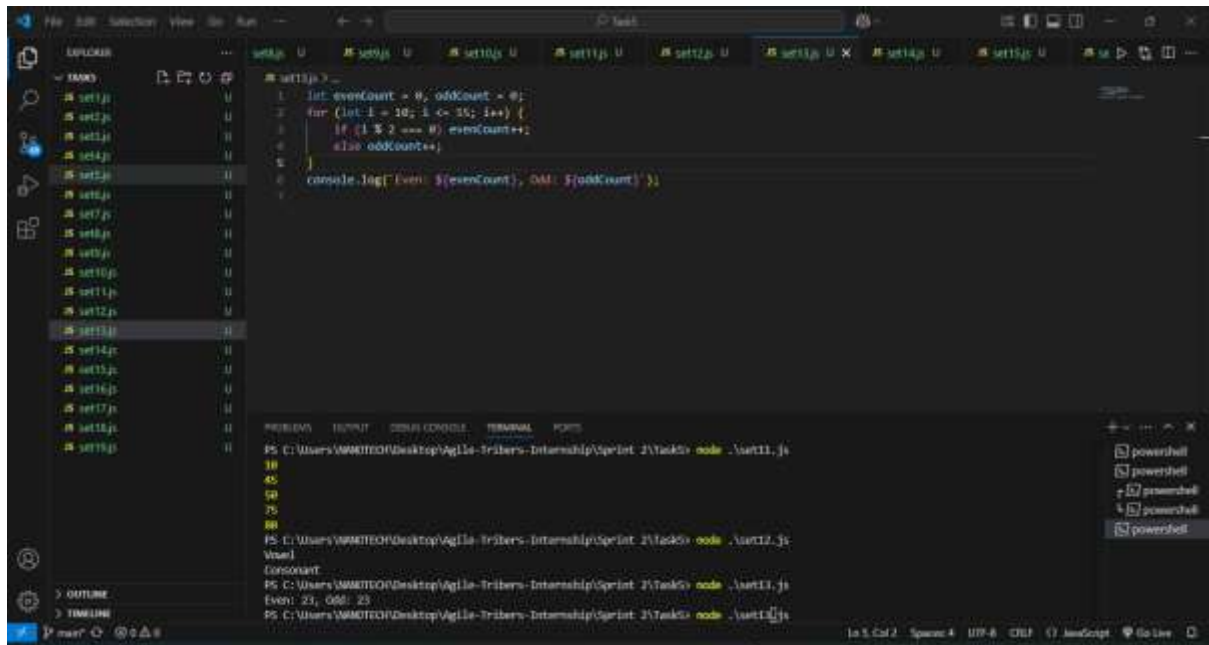
The screenshot shows the VS Code editor with the same file explorer as Set11. The main editor displays 'set12.js' with the following JavaScript code:

```
1 @checkVowelConsonant > @checkVowelConsonant
2 function checkVowelConsonant(char) {
3   let vowels = 'AEIOUaeiou';
4   return vowels.includes(char) ? 'Vowel' : 'Consonant';
5 }
6 console.log(checkVowelConsonant('a'));
7 console.log(checkVowelConsonant('b'));
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks> node .\set10.js
true
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks> node .\set11.js
10
45
58
75
89
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks> node .\set12.js
Vowel
Consonant
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Split-2\Tasks>
```

Set13



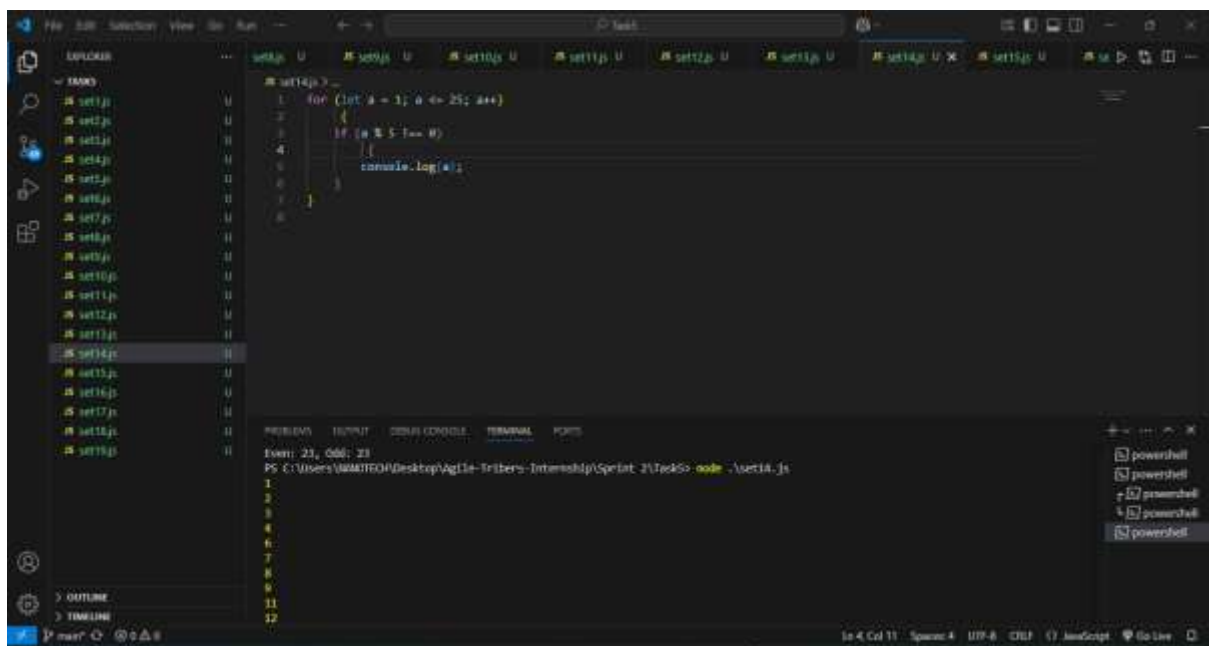
The screenshot shows the VS Code editor with a file explorer on the left containing a directory named 'tasks' with files 'set1.js' through 'set19.js'. The main editor displays the code for 'set13.js':

```
1 let evenCount = 0, oddCount = 0;
2 for (let i = 10; i <= 25; i++) {
3   if (i % 2 === 0) evenCount++;
4   else oddCount++;
5 }
6 console.log(`Even: ${evenCount}, Odd: ${oddCount}`);
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Sprint_2\task> node .\set11.js
10
40
50
75
80
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Sprint_2\task> node .\set12.js
Even:
Console.log
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Sprint_2\task> node .\set13.js
Even: 23, Odd: 23
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Sprint_2\task> node .\set14.js
```

Set14



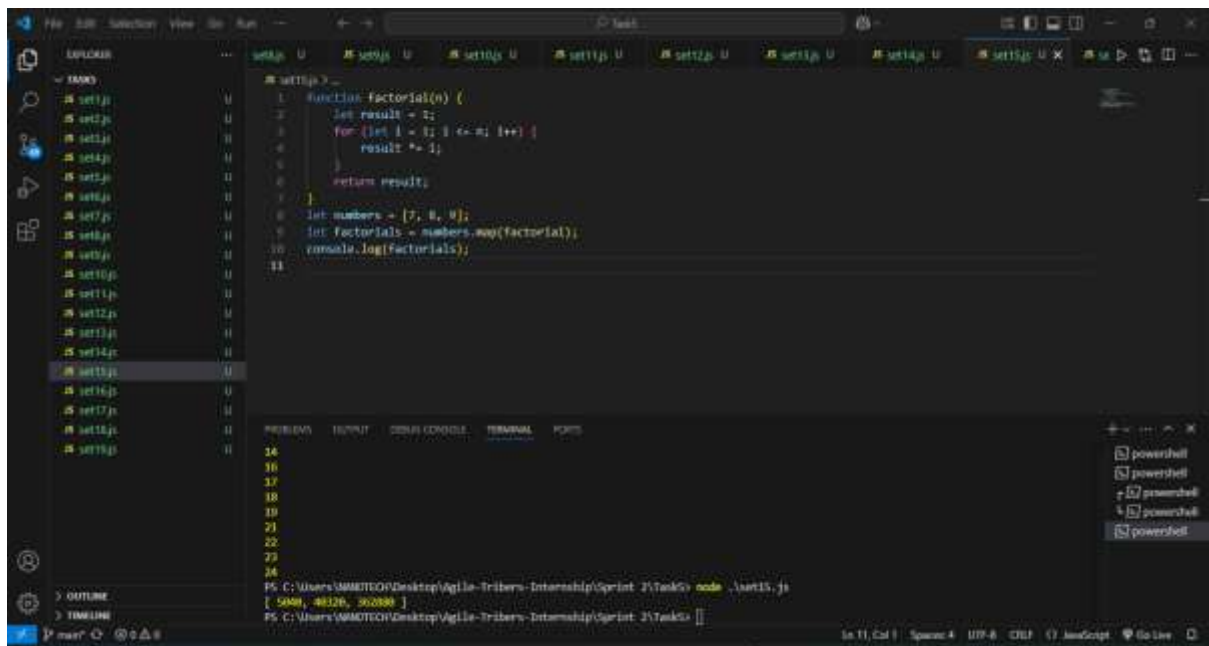
The screenshot shows the VS Code editor with the same file explorer as Set13. The main editor displays the code for 'set14.js':

```
1 for (let i = 1; i <= 25; i++)
2 {
3   if (i % 5 !== 0)
4   {
5     console.log(i);
6   }
7 }
8
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
Even: 23, Odd: 23
PS C:\Users\WABTEO\Desktop\Agile-Tribers-Internship\Sprint_2\task> node .\set14.js
1
2
3
4
6
7
8
9
11
12
```

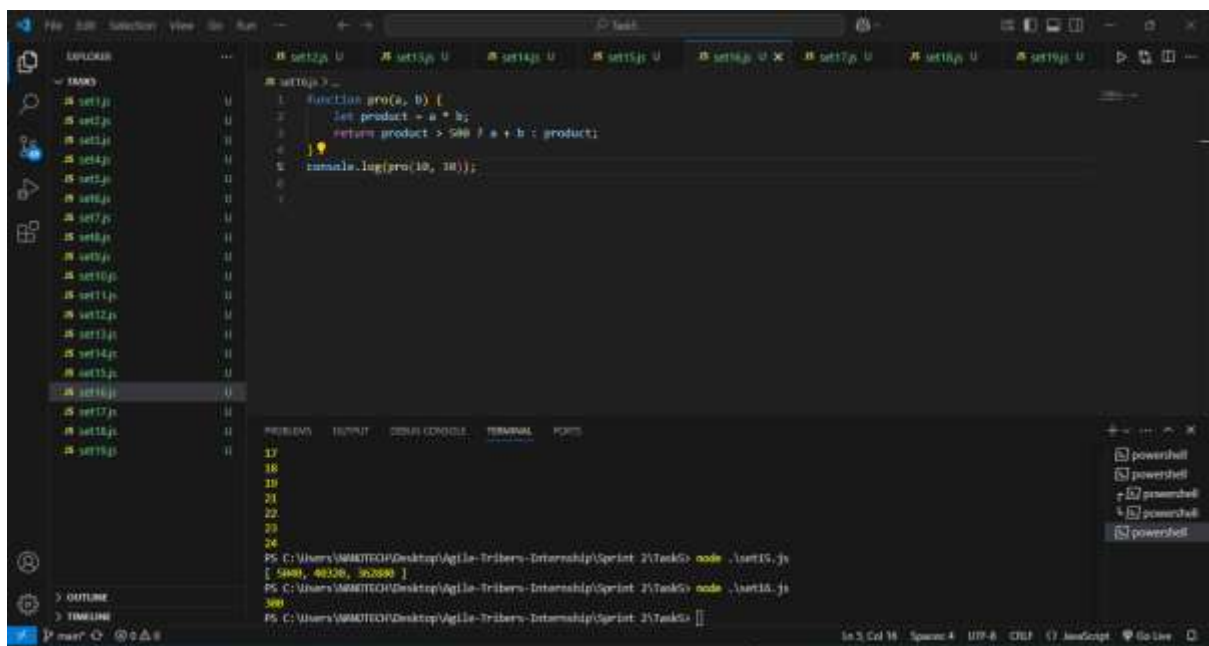

Set15



```
1 function factorial(n) {
2   let result = 1;
3   for (let i = 1; i <= n; i++) {
4     result *= i;
5   }
6   return result;
7 }
8 let numbers = [7, 8, 9];
9 let factorials = numbers.map(factorial);
10 console.log(factorials);
11
```

```
14
16
17
18
19
21
22
23
24
PS C:\Users\WABTEG\Desktop\Agile-Tribers-Internship\Sprint 2\Task5> node .\set15.js
[ 5040, 46080, 262080 ]
PS C:\Users\WABTEG\Desktop\Agile-Tribers-Internship\Sprint 2\Task5>
```

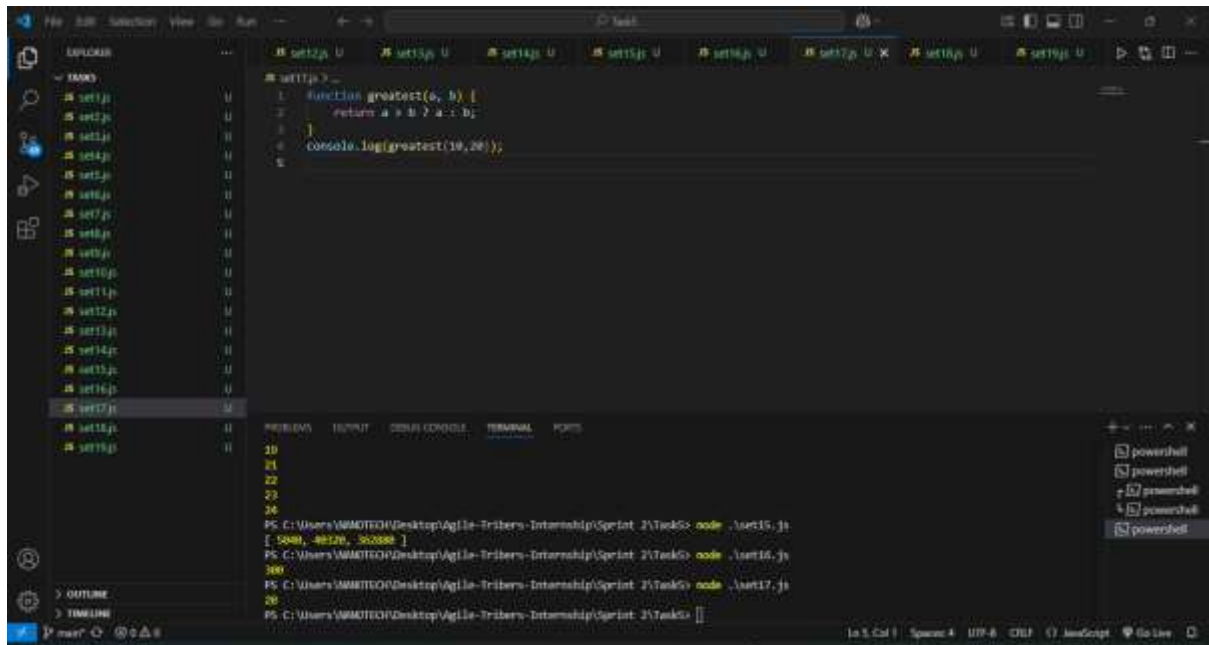
Set16



```
1 function pro(a, b) {
2   let product = a * b;
3   return product > 500 ? a + b : product;
4 }
5 console.log(pro(10, 10));
6
```

```
17
18
19
21
22
23
24
PS C:\Users\WABTEG\Desktop\Agile-Tribers-Internship\Sprint 2\Task5> node .\set16.js
[ 5000, 46080, 262080 ]
PS C:\Users\WABTEG\Desktop\Agile-Tribers-Internship\Sprint 2\Task5> node .\set16.js
500
PS C:\Users\WABTEG\Desktop\Agile-Tribers-Internship\Sprint 2\Task5>
```


Set17



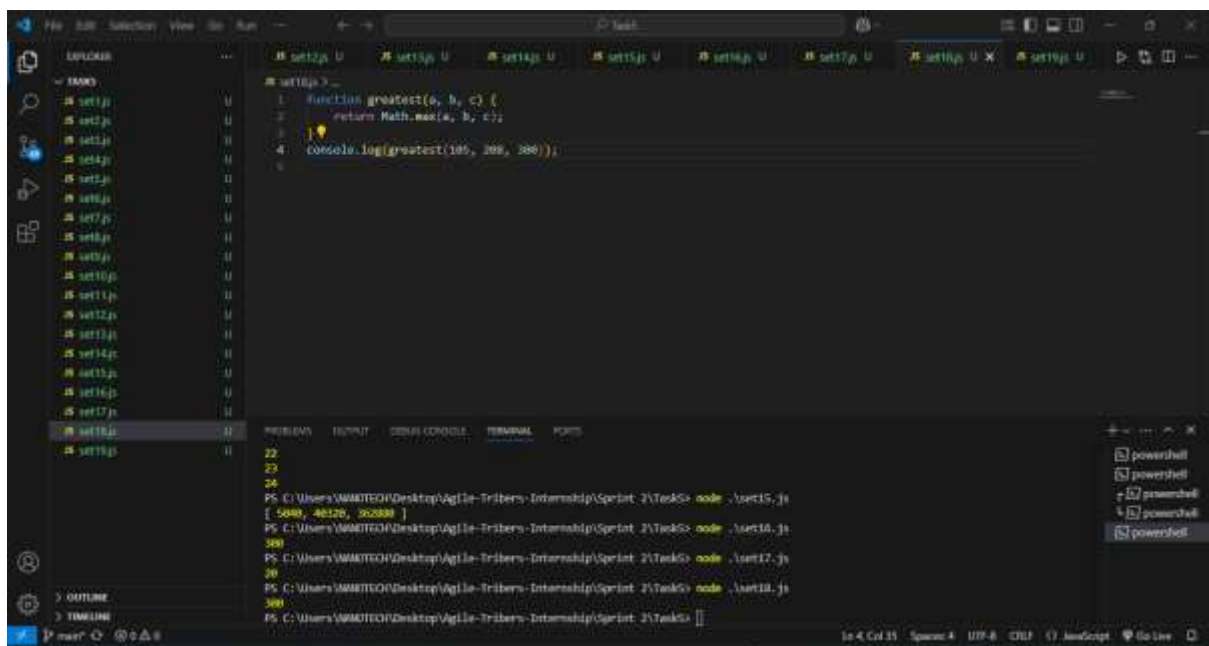
The screenshot shows the VS Code editor with a file explorer on the left containing a directory named 'TASKS' with files 'set1.js' through 'set19.js'. The main editor window displays 'set17.js' with the following code:

```
1 function greatest(a, b) {  
2   return a > b ? a : b;  
3 }  
4 console.log(greatest(10, 20));  
5
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
20  
21  
22  
23  
24  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set15.js  
[ 5000, 40120, 302880 ]  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set16.js  
300  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set17.js  
20  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5>
```

Set18



The screenshot shows the VS Code editor with the same file explorer as Set17. The main editor window displays 'set18.js' with the following code:

```
1 function greatest(a, b, c) {  
2   return Math.max(a, b, c);  
3 }  
4 console.log(greatest(105, 200, 300));  
5
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
22  
23  
24  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set15.js  
[ 5000, 40120, 302880 ]  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set16.js  
300  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set17.js  
20  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5> node .\set18.js  
300  
PS C:\Users\WABTEQ\Desktop\Agile-Tribers-Internship\Sprint_2\Task5>
```

Set19

The screenshot shows the Visual Studio Code editor interface. The file explorer on the left displays a folder named 'TASKS' containing multiple files named 'set1.js' through 'set19.js'. The main editor window is open to 'set19.js', which contains the following JavaScript code:

```
1 let x = [22, 4, -6, 23, -9, 21, 3, -45, -8];
2 let positive = x.filter(num => num > 0);
3 let negative = x.filter(num => num < 0);
4 console.log("Positive:", positive);
5 console.log("Negative:", negative);
6
```

The bottom panel shows the 'CONSOLE' tab with the following output:

```
PS C:\Users\WABOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Tasks> code .\set15.js
[ 5000, 40320, 202880 ]
PS C:\Users\WABOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Tasks> code .\set16.js
300
PS C:\Users\WABOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Tasks> code .\set17.js
20
PS C:\Users\WABOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Tasks> code .\set18.js
300
PS C:\Users\WABOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Tasks> code .\set19.js
Positive: [ 22, 4, 21, 21, 3 ]
Negative: [ -6, -9, -45, -8 ]
PS C:\Users\WABOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Tasks>
```

The status bar at the bottom indicates the file is 'set19.js', line 6, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and a file size of 104 bytes.