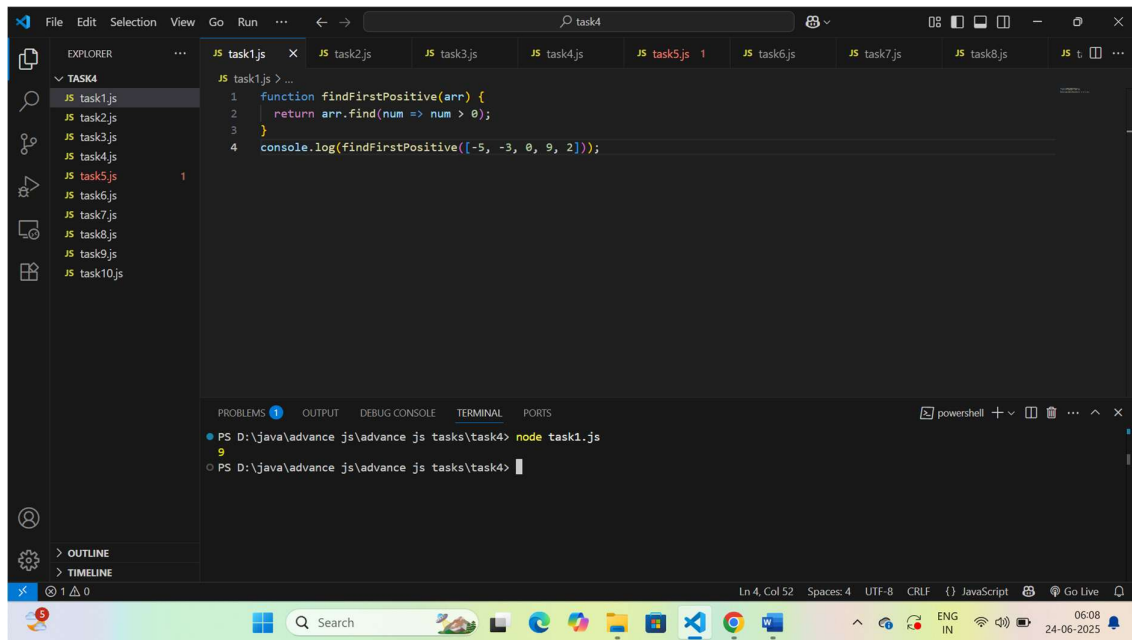


Q1;



The screenshot shows the Visual Studio Code editor with a file explorer on the left containing a folder named 'TASK4' with files task1.js through task10.js. The main editor window displays 'task1.js' with the following code:

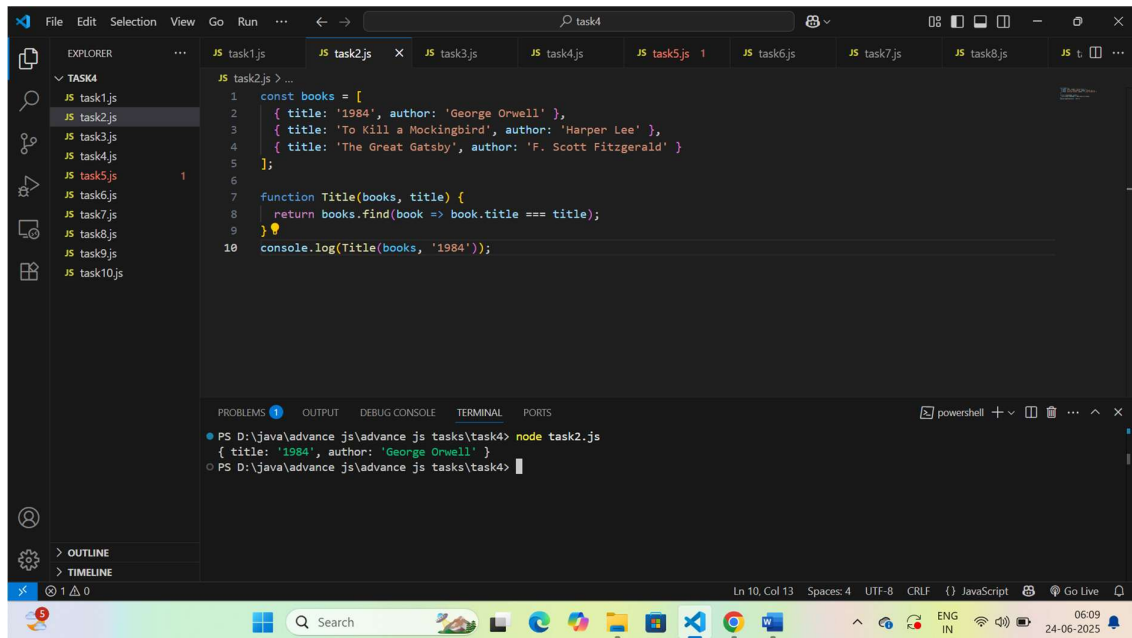
```
1 function findFirstPositive(arr) {  
2   return arr.find(num => num > 0);  
3 }  
4 console.log(findFirstPositive([-5, -3, 0, 9, 2]));
```

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

```
PS D:\java\advance js\advance js tasks\task4> node task1.js  
9  
PS D:\java\advance js\advance js tasks\task4>
```

The status bar at the bottom indicates 'Ln 4, Col 52', 'Spaces: 4', 'UTF-8', 'CRLF', and 'JavaScript'.

Q2;



The screenshot shows the Visual Studio Code editor with the same file explorer. The main editor window displays 'task2.js' with the following code:

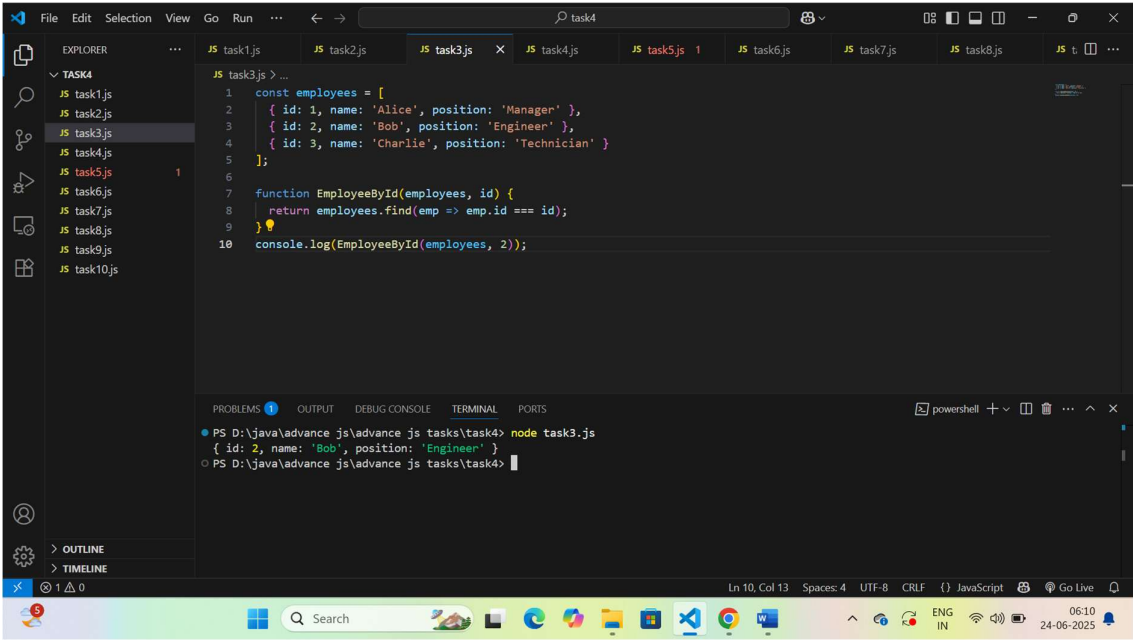
```
1 const books = [  
2   { title: '1984', author: 'George Orwell' },  
3   { title: 'To Kill a Mockingbird', author: 'Harper Lee' },  
4   { title: 'The Great Gatsby', author: 'F. Scott Fitzgerald' }  
5 ];  
6  
7 function Title(books, title) {  
8   return books.find(book => book.title === title);  
9 }  
10 console.log(Title(books, '1984'));
```

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

```
PS D:\java\advance js\advance js tasks\task4> node task2.js  
{ title: '1984', author: 'George Orwell' }  
PS D:\java\advance js\advance js tasks\task4>
```

The status bar at the bottom indicates 'Ln 10, Col 13', 'Spaces: 4', 'UTF-8', 'CRLF', and 'JavaScript'.

Q3;



Q4;

The screenshot shows the Visual Studio Code editor with a file explorer on the left containing a folder named 'TASK4' with files task1.js through task10.js. The main editor displays 'task4.js' with the following JavaScript code:

```
1 function isPrime(num) {
2   if (num < 2) return false;
3   for (let i = 2; i <= Math.sqrt(num); i++) {
4     if (num % i === 0) return false;
5   }
6   return true;
7 }
8
9 function findFirstPrime(arr) {
10  return arr.find(isPrime);
11 }
12 console.log(findFirstPrime([4, 6, 8, 9, 11, 15]));
13
```

The bottom panel shows the 'TERMINAL' tab with a PowerShell prompt. The command executed is 'node task4.js', and the output is '11'.

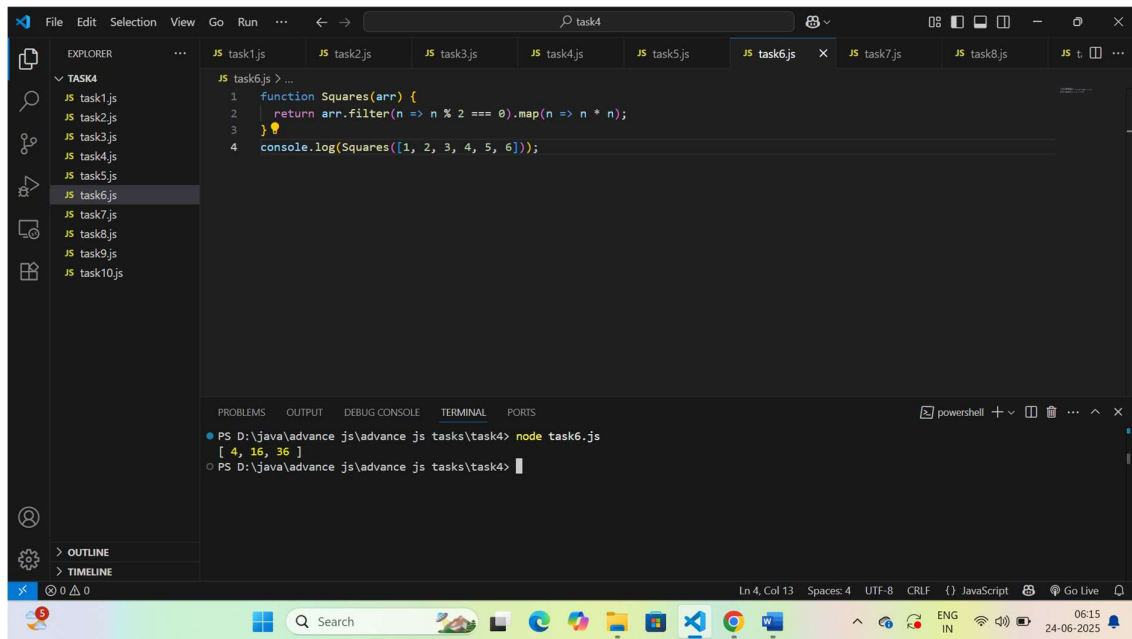
Q5;

The screenshot shows the Visual Studio Code editor with a file explorer on the left containing a folder named 'TASK4' with files task1.js through task10.js. The main editor displays 'task5.js' with the following JavaScript code:

```
1 function personInfo(person) {
2   const { firstName, lastName, age } = person;
3   return `${firstName} ${lastName} is ${age} years old`;
4 }
5 console.log(personInfo({ firstName: 'John', lastName: 'Doe', age: 30 }));
6
7
```

The bottom panel shows the 'TERMINAL' tab with a PowerShell prompt. The command executed is 'node task5.js', and the output is 'John Doe is 30 years old'.

Q6;



The screenshot shows the Visual Studio Code editor with a file explorer on the left displaying a directory named 'TASK4' containing files 'task1.js' through 'task10.js'. The main editor window is open to 'task6.js', which contains the following JavaScript code:

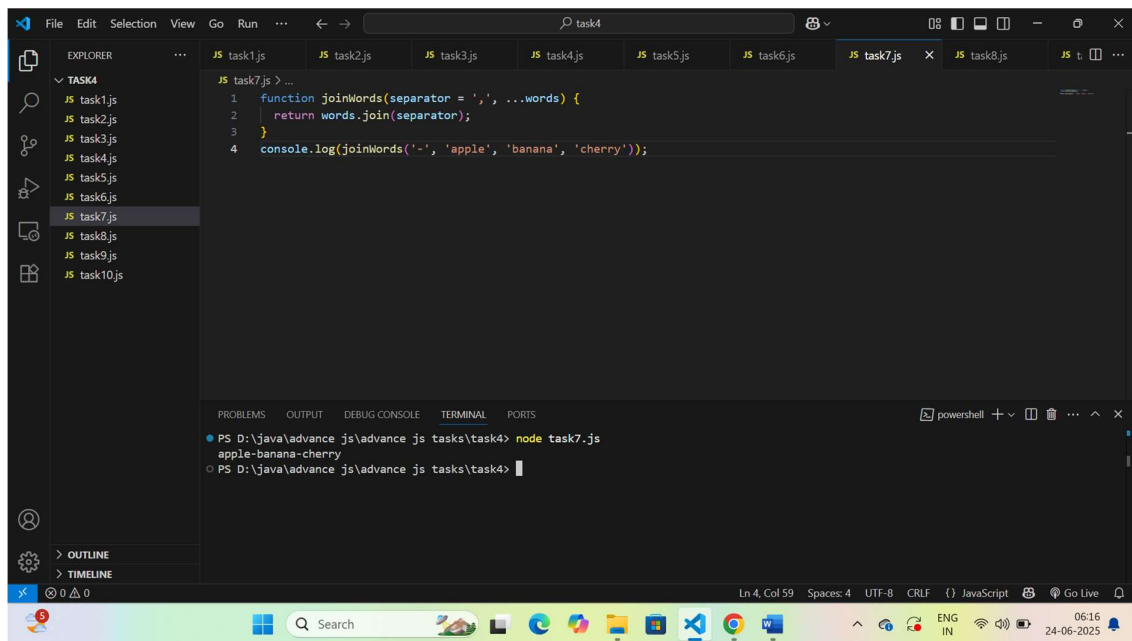
```
1 function Squares(arr) {  
2   return arr.filter(n => n % 2 !== 0).map(n => n * n);  
3 }  
4 console.log(Squares([1, 2, 3, 4, 5, 6]));
```

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

```
PS D:\java\advance js\advance js tasks\task4> node task6.js  
[ 4, 16, 36 ]  
PS D:\java\advance js\advance js tasks\task4>
```

The status bar at the bottom indicates the cursor is at line 4, column 13, with 4 spaces, UTF-8 encoding, and CRLF line endings.

Q7;



The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the 'TASK4' directory. The main editor window is open to 'task7.js', which contains the following JavaScript code:

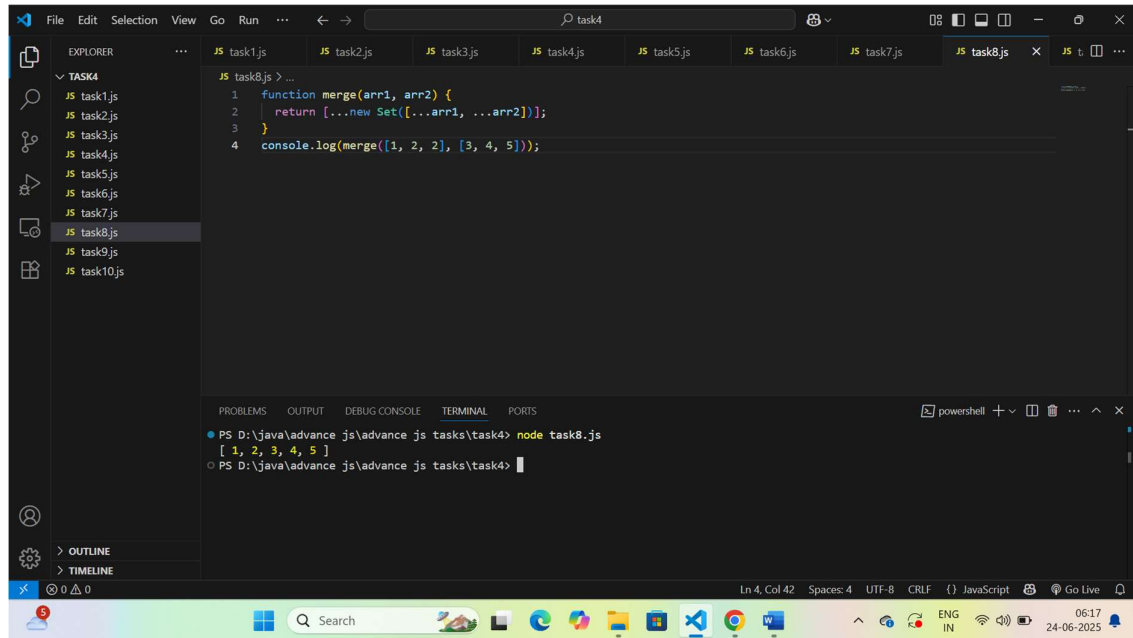
```
1 function joinWords(separator = ', ', ...words) {  
2   return words.join(separator);  
3 }  
4 console.log(joinWords('-', 'apple', 'banana', 'cherry'));
```

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

```
PS D:\java\advance js\advance js tasks\task4> node task7.js  
apple-banana-cherry  
PS D:\java\advance js\advance js tasks\task4>
```

The status bar at the bottom indicates the cursor is at line 4, column 59, with 4 spaces, UTF-8 encoding, and CRLF line endings.

Q8;



The screenshot shows the Visual Studio Code editor with a project named 'TASK4'. The Explorer sidebar on the left lists files from 'task1.js' to 'task10.js', with 'task8.js' selected. The main editor window displays the content of 'task8.js':

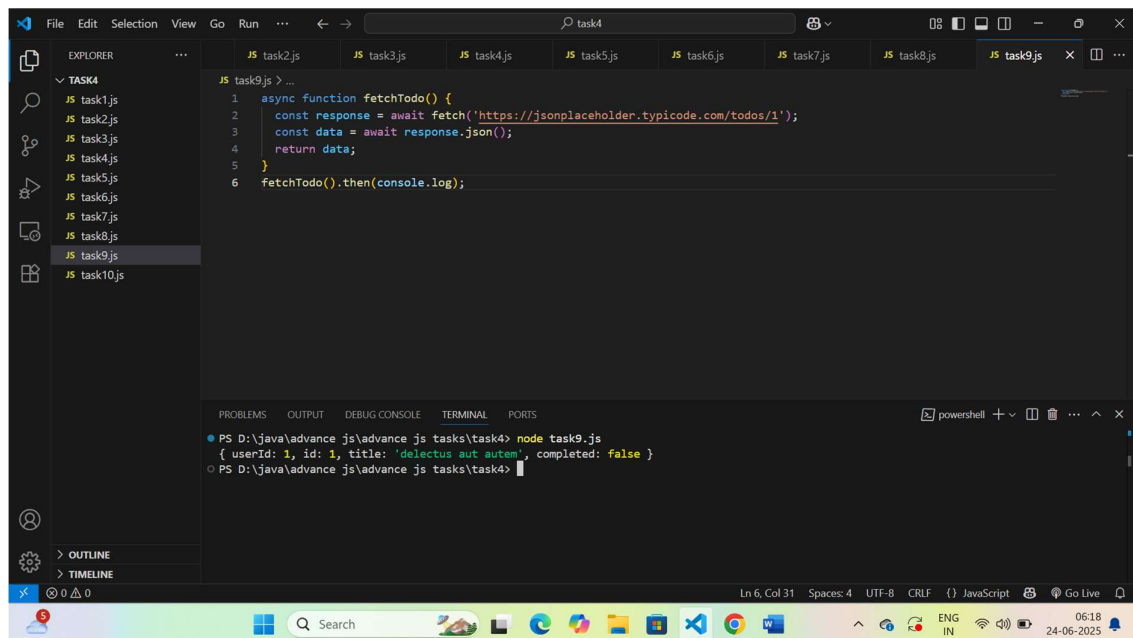
```
1 function merge(arr1, arr2) {  
2   return [...new Set([...arr1, ...arr2])];  
3 }  
4 console.log(merge([1, 2, 2], [3, 4, 5]));
```

Below the editor, the integrated terminal shows the command 'node task8.js' being executed. The output is:

```
[ 1, 2, 3, 4, 5 ]
```

The status bar at the bottom indicates the cursor is at line 4, column 42, with 4 spaces, UTF-8 encoding, and CRLF line endings.

Q9;



The screenshot shows the Visual Studio Code editor with the same 'TASK4' project. The Explorer sidebar shows 'task9.js' selected. The main editor window displays the content of 'task9.js':

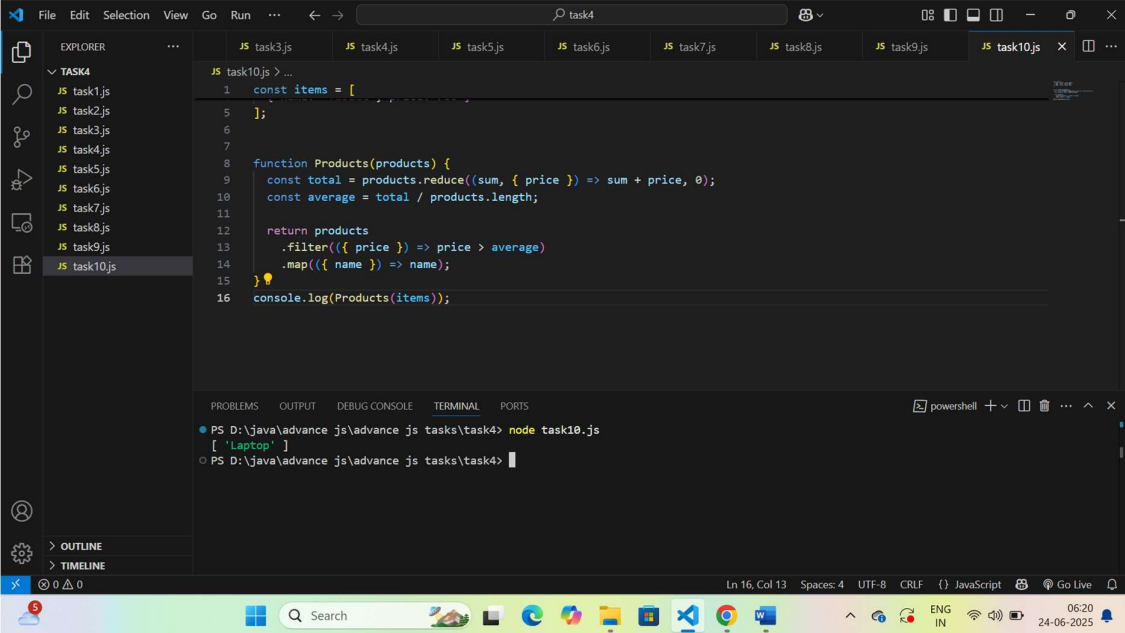
```
1 async function fetchTodo() {  
2   const response = await fetch('https://jsonplaceholder.typicode.com/todos/1');  
3   const data = await response.json();  
4   return data;  
5 }  
6 fetchTodo().then(console.log);
```

The integrated terminal shows the command 'node task9.js' being executed. The output is a JSON object:

```
{ userId: 1, id: 1, title: 'delectus aut autem', completed: false }
```

The status bar at the bottom indicates the cursor is at line 6, column 31, with 4 spaces, UTF-8 encoding, and CRLF line endings.

Q10;



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays a folder named 'TASK4' containing ten JavaScript files: task1.js, task2.js, task3.js, task4.js, task5.js, task6.js, task7.js, task8.js, task9.js, and task10.js. The file 'task10.js' is selected and open in the main editor. The code in task10.js is as follows:

```
1  const items = [
2    // ...
3  ];
4
5  ];
6
7
8  function Products(products) {
9    const total = products.reduce((sum, { price }) => sum + price, 0);
10   const average = total / products.length;
11
12   return products
13     .filter(({ price }) => price > average)
14     .map(({ name }) => name);
15 }
16 console.log(Products(items));
```

Below the editor, the 'TERMINAL' panel is active, showing the command 'node task10.js' executed in a PowerShell window. The output of the command is an array containing the string 'Laptop':

```
PS D:\java\advance js\advance js tasks\task4> node task10.js
[ 'Laptop' ]
```

The status bar at the bottom of the window indicates the current cursor position is at line 16, column 13, with 4 spaces, in UTF-8 encoding, using CRLF line endings, and the file is a JavaScript document.