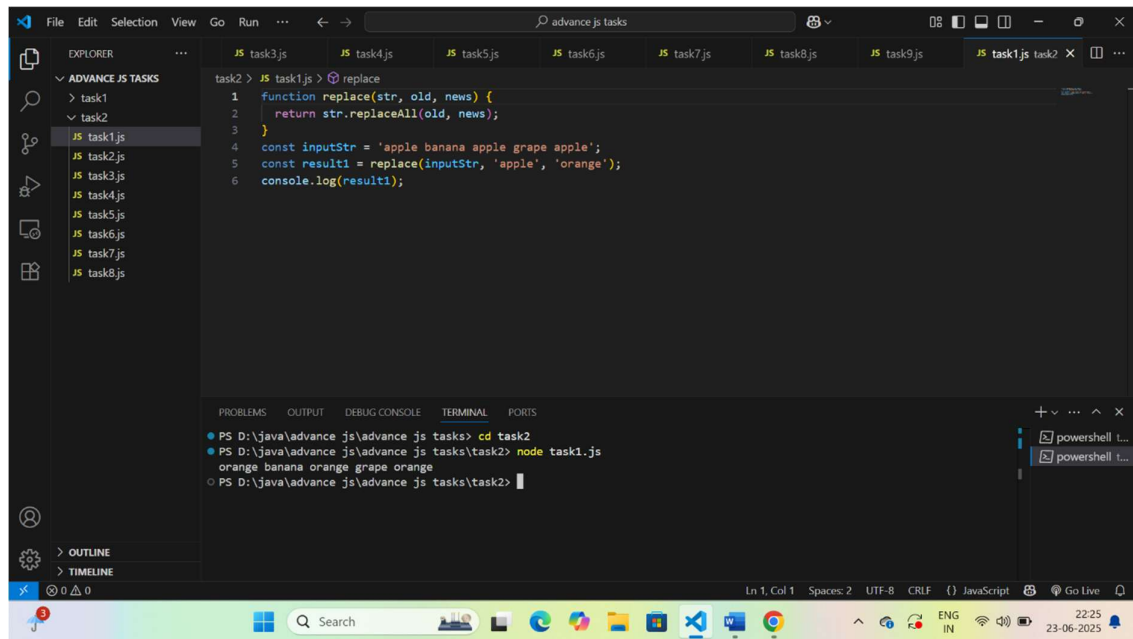


Q1;

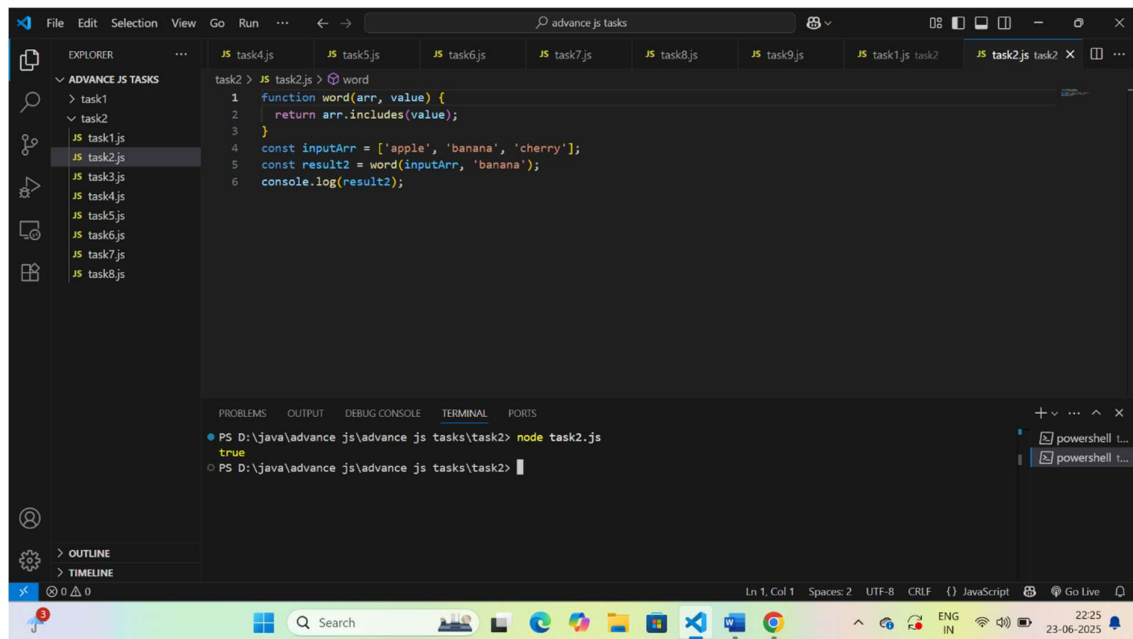


The screenshot shows the Visual Studio Code editor with a file named `task1.js` open. The file contains a `replace` function that takes a string `str`, an old substring `old`, and a new substring `news`. It uses `str.replaceAll(old, news)` to replace all occurrences of `old` with `news`. The function is called with `inputStr = 'apple banana apple grape apple'`, `old = 'apple'`, and `news = 'orange'`. The result is logged to the console.

```
1 function replace(str, old, news) {
2   return str.replaceAll(old, news);
3 }
4 const inputStr = 'apple banana apple grape apple';
5 const result1 = replace(inputStr, 'apple', 'orange');
6 console.log(result1);
```

The terminal output shows the command `node task1.js` being executed, resulting in the output `orange banana orange grape orange`.

Q2;

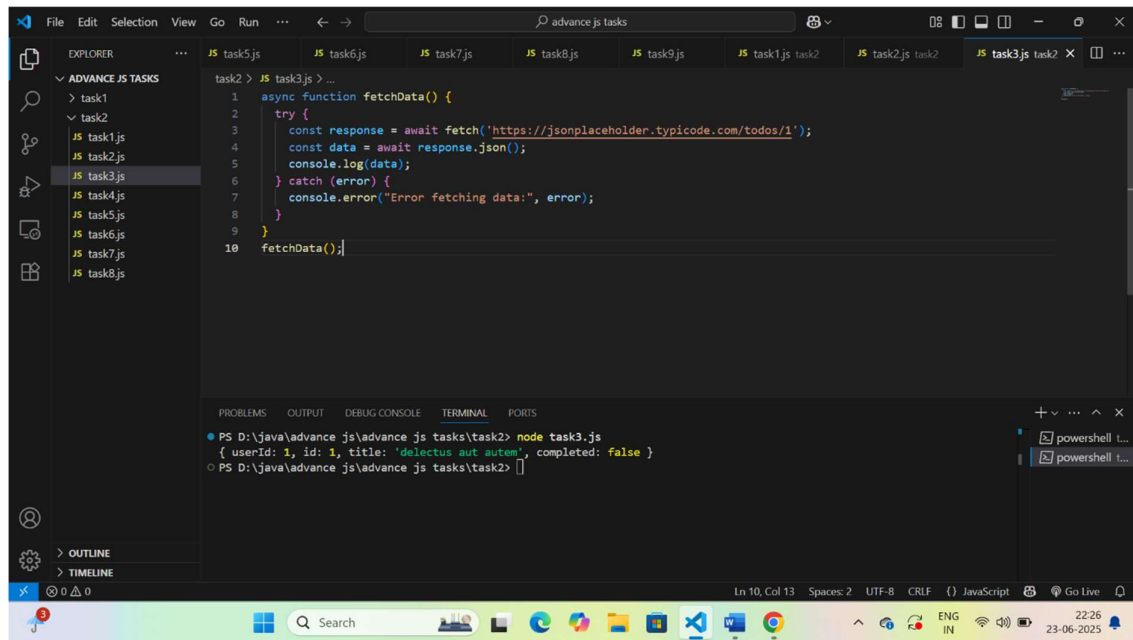


The screenshot shows the Visual Studio Code editor with a file named `task2.js` open. The file contains a `word` function that takes an array `arr` and a value `value`. It uses `arr.includes(value)` to check if the value is present in the array. The function is called with `inputArr = ['apple', 'banana', 'cherry']` and `value = 'banana'`. The result is logged to the console.

```
1 function word(arr, value) {
2   return arr.includes(value);
3 }
4 const inputArr = ['apple', 'banana', 'cherry'];
5 const result2 = word(inputArr, 'banana');
6 console.log(result2);
```

The terminal output shows the command `node task2.js` being executed, resulting in the output `true`.

Q3;



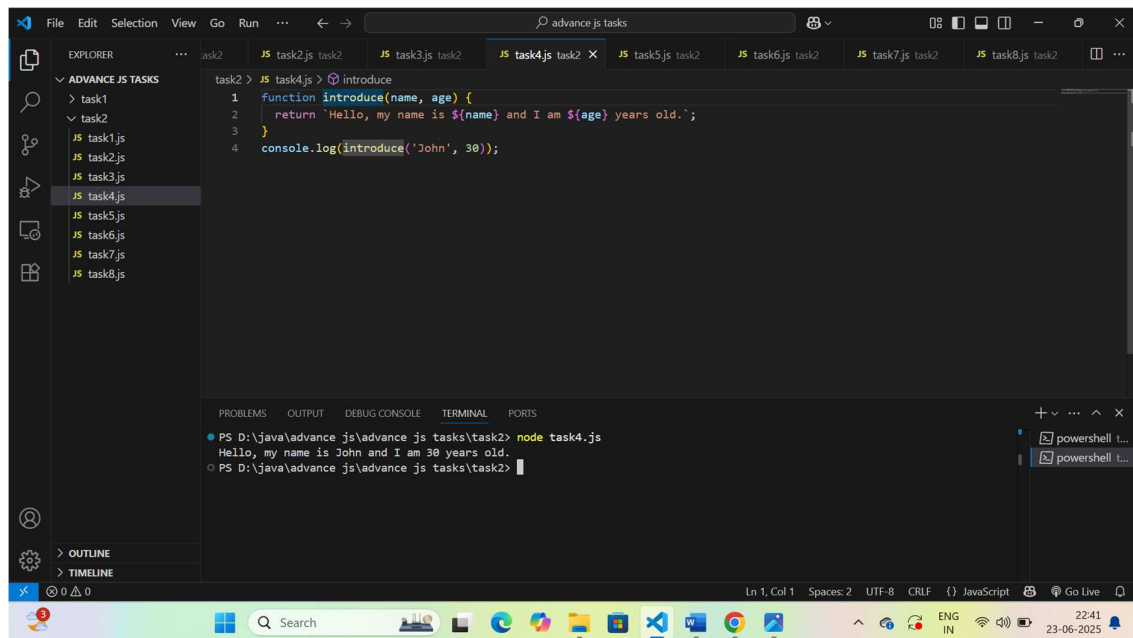
The screenshot shows the Visual Studio Code editor with a file explorer on the left containing a directory named 'ADVANCE JS TASKS' with subdirectories 'task1' and 'task2'. Inside 'task2', there are files 'task1.js' through 'task8.js'. The main editor window displays 'task3.js' with the following code:

```
1 async function fetchData() {  
2   try {  
3     const response = await fetch('https://jsonplaceholder.typicode.com/todos/1');  
4     const data = await response.json();  
5     console.log(data);  
6   } catch (error) {  
7     console.error("Error fetching data:", error);  
8   }  
9 }  
10 fetchData();
```

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

```
PS D:\java\advance js\advance js tasks\task2> node task3.js  
{ userId: 1, id: 1, title: 'delectus aut autem', completed: false }  
PS D:\java\advance js\advance js tasks\task2>
```

Q4



The screenshot shows the Visual Studio Code editor with the same file explorer as in Q3. The main editor window displays 'task4.js' with the following code:

```
1 function introduce(name, age) {  
2   return `Hello, my name is ${name} and I am ${age} years old.`;  
3 }  
4 console.log(introduce('John', 30));
```

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

```
PS D:\java\advance js\advance js tasks\task2> node task4.js  
Hello, my name is John and I am 30 years old.  
PS D:\java\advance js\advance js tasks\task2>
```

Q5;

```
task2 > JS task5.js > ...
1 Details({ name: 'Alice', age: 25, city: 'New York' });
2
3 function Details(person) {
4   const { name, age, city } = person;
5   console.log(name);
6   console.log(age);
7   console.log(city);
8 }
9
```

```
PS D:\java\advance js\advance js tasks\task2> node task5.js
Alice
25
New York
PS D:\java\advance js\advance js tasks\task2>
```

Q6;

```
task2 > JS task6.js > sum
1 function sum(a, b = 10) {
2   return a + b;
3 }
4 console.log(sum(5, 20));
5 console.log(sum(5));
```

```
PS D:\java\advance js\advance js tasks\task2> node task6.js
25
15
PS D:\java\advance js\advance js tasks\task2>
```

Q7;

The screenshot shows the Visual Studio Code editor with a file explorer on the left containing a directory named 'ADVANCE JS TASKS' with subfiles 'task1' through 'task8'. The main editor window displays 'task7.js' with the following code:

```
task7.js > sum
1 function sum(...numbers) {
2   return numbers.reduce((acc, curr) => acc + curr, 0);
3 }
4 console.log(sum(1, 2, 3, 4, 5));
```

The bottom panel shows the 'TERMINAL' tab with the command `node task7.js` executed in a PowerShell terminal, resulting in the output `15`.

Q8;

The screenshot shows the Visual Studio Code editor with the same file explorer as the previous image. The main editor window displays 'task8.js' with the following code:

```
task8.js > sum
1 function sum(numbers) {
2   return numbers.reduce((acc, num) => acc + num, 0);
3 }
4 console.log(sum([1, 2, 3, 4, 5]));
```

The bottom panel shows the 'TERMINAL' tab with the command `node task8.js` executed in a PowerShell terminal, resulting in the output `15`.