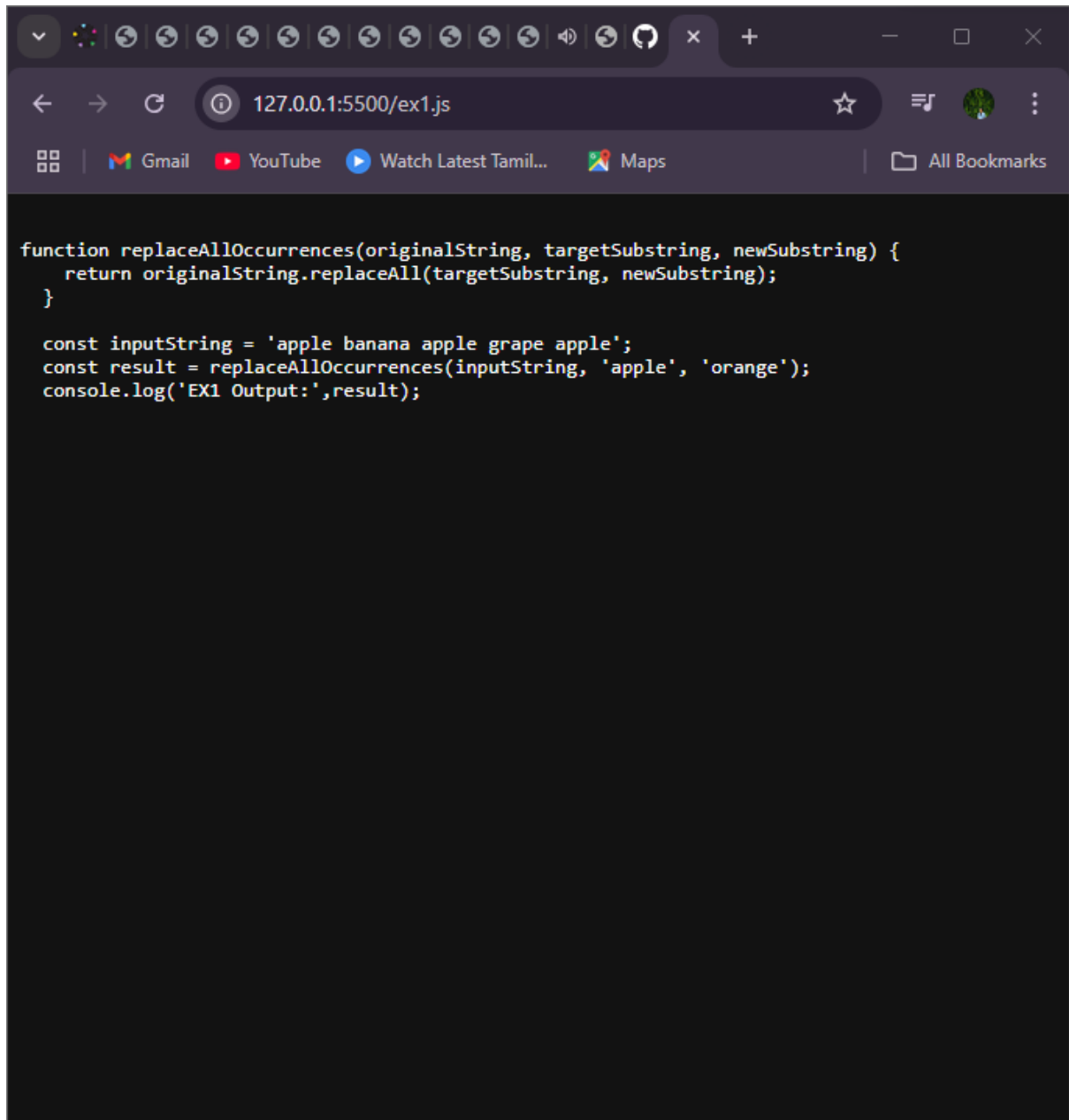
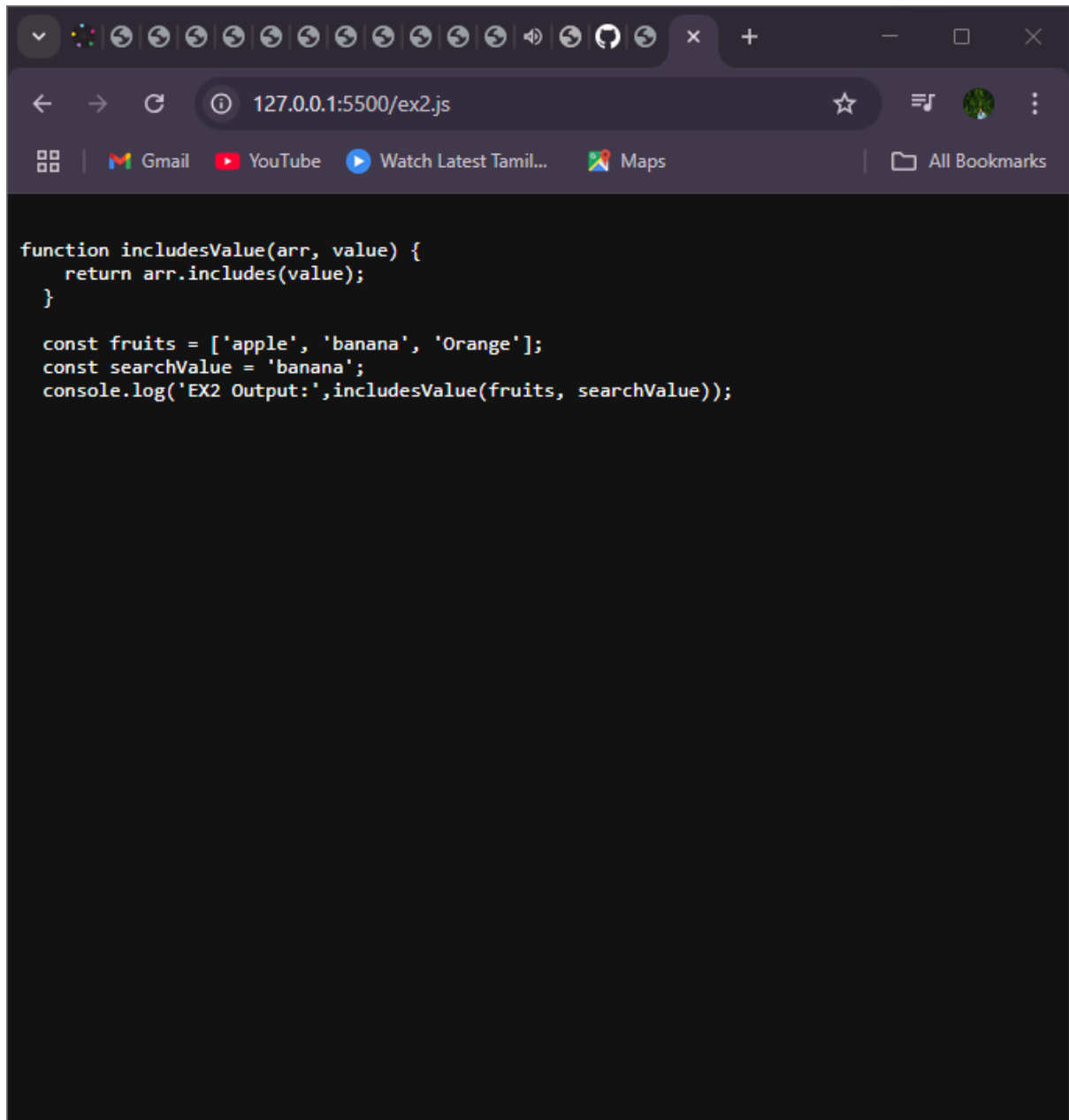


Ex1



```
function replaceAllOccurrences(originalString, targetSubstring, newSubstring) {  
    return originalString.replaceAll(targetSubstring, newSubstring);  
}  
  
const inputString = 'apple banana apple grape apple';  
const result = replaceAllOccurrences(inputString, 'apple', 'orange');  
console.log('EX1 Output:',result);
```

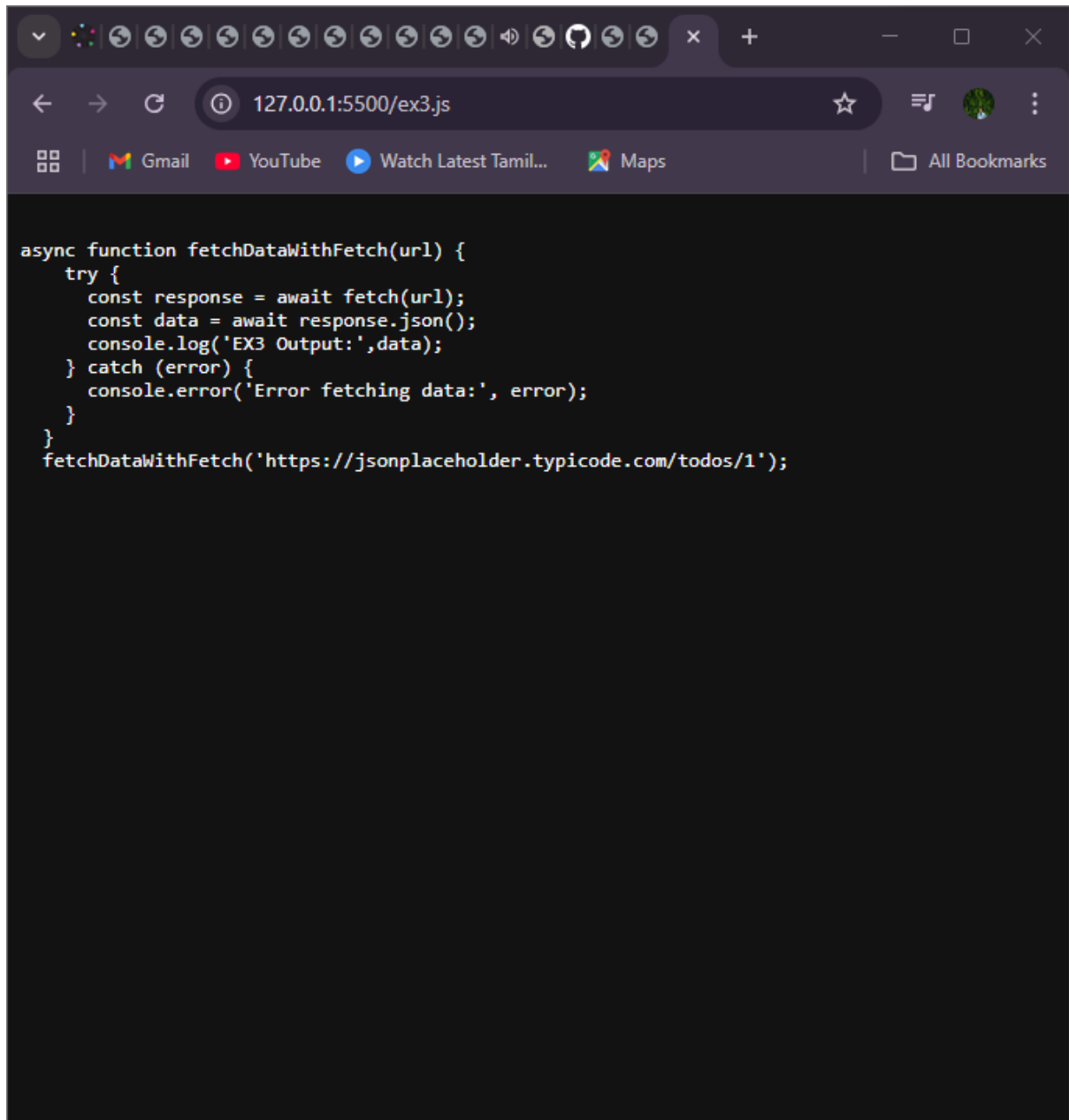
Ex2



The image shows a web browser window with a dark theme. The address bar displays the URL `127.0.0.1:5500/ex2.js`. Below the address bar, there are several bookmarks: Gmail, YouTube, Watch Latest Tamil..., and Maps. The main content area of the browser is dark and contains the following JavaScript code:

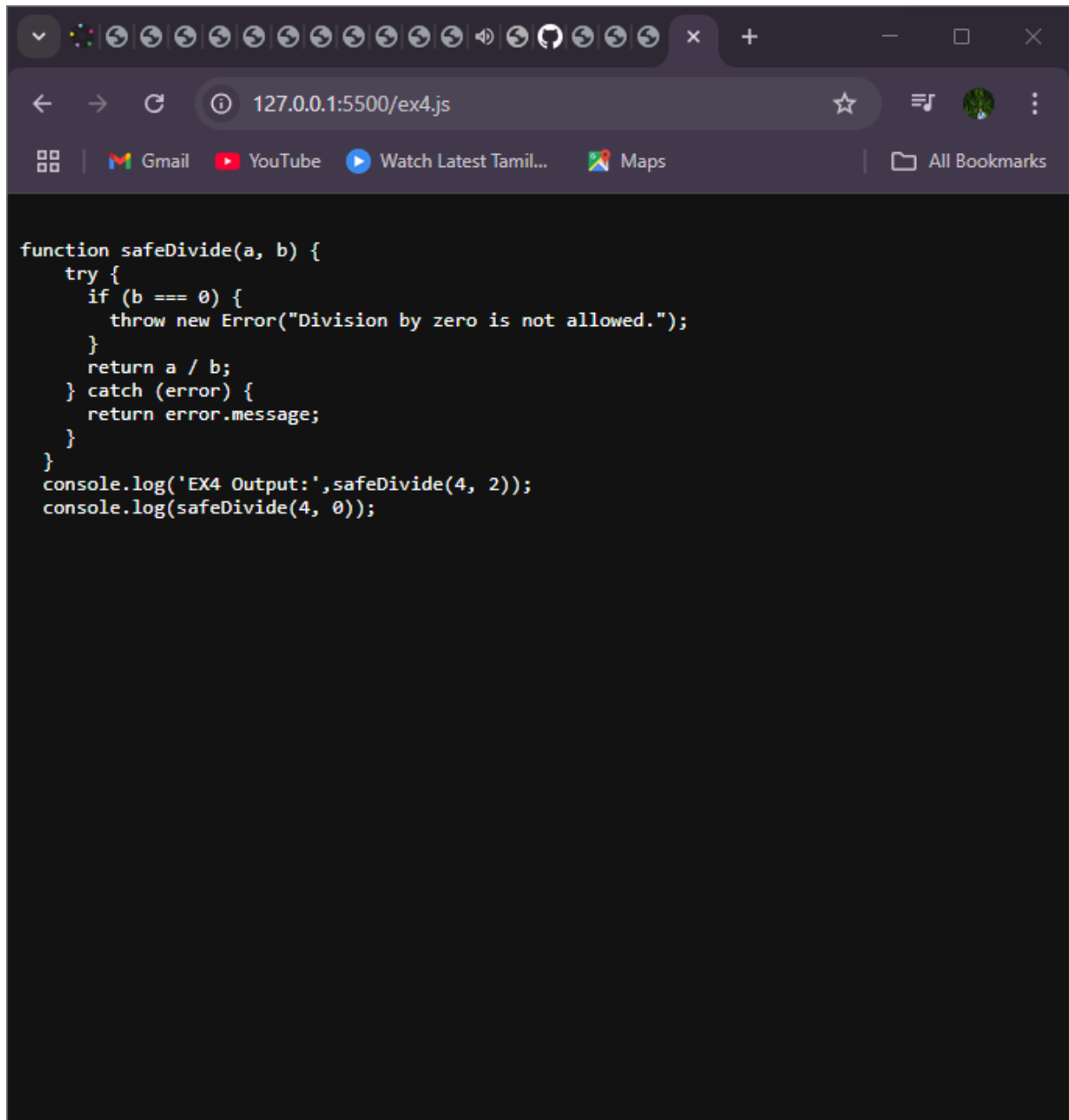
```
function includesValue(arr, value) {  
    return arr.includes(value);  
}  
  
const fruits = ['apple', 'banana', 'Orange'];  
const searchValue = 'banana';  
console.log('EX2 Output:', includesValue(fruits, searchValue));
```

Ex3

A screenshot of a web browser window. The address bar shows the URL '127.0.0.1:5500/ex3.js'. The browser's toolbar includes navigation buttons (back, forward, refresh), a search bar, and icons for Gmail, YouTube, and Maps. The main content area of the browser displays a JavaScript code snippet. The code defines an asynchronous function 'fetchDataWithFetch' that uses the 'fetch' API to retrieve data from a specified URL. It includes a try-catch block to handle potential errors. The function is then called with the URL 'https://jsonplaceholder.typicode.com/todos/1'.

```
async function fetchDataWithFetch(url) {
  try {
    const response = await fetch(url);
    const data = await response.json();
    console.log('EX3 Output:', data);
  } catch (error) {
    console.error('Error fetching data:', error);
  }
}
fetchDataWithFetch('https://jsonplaceholder.typicode.com/todos/1');
```

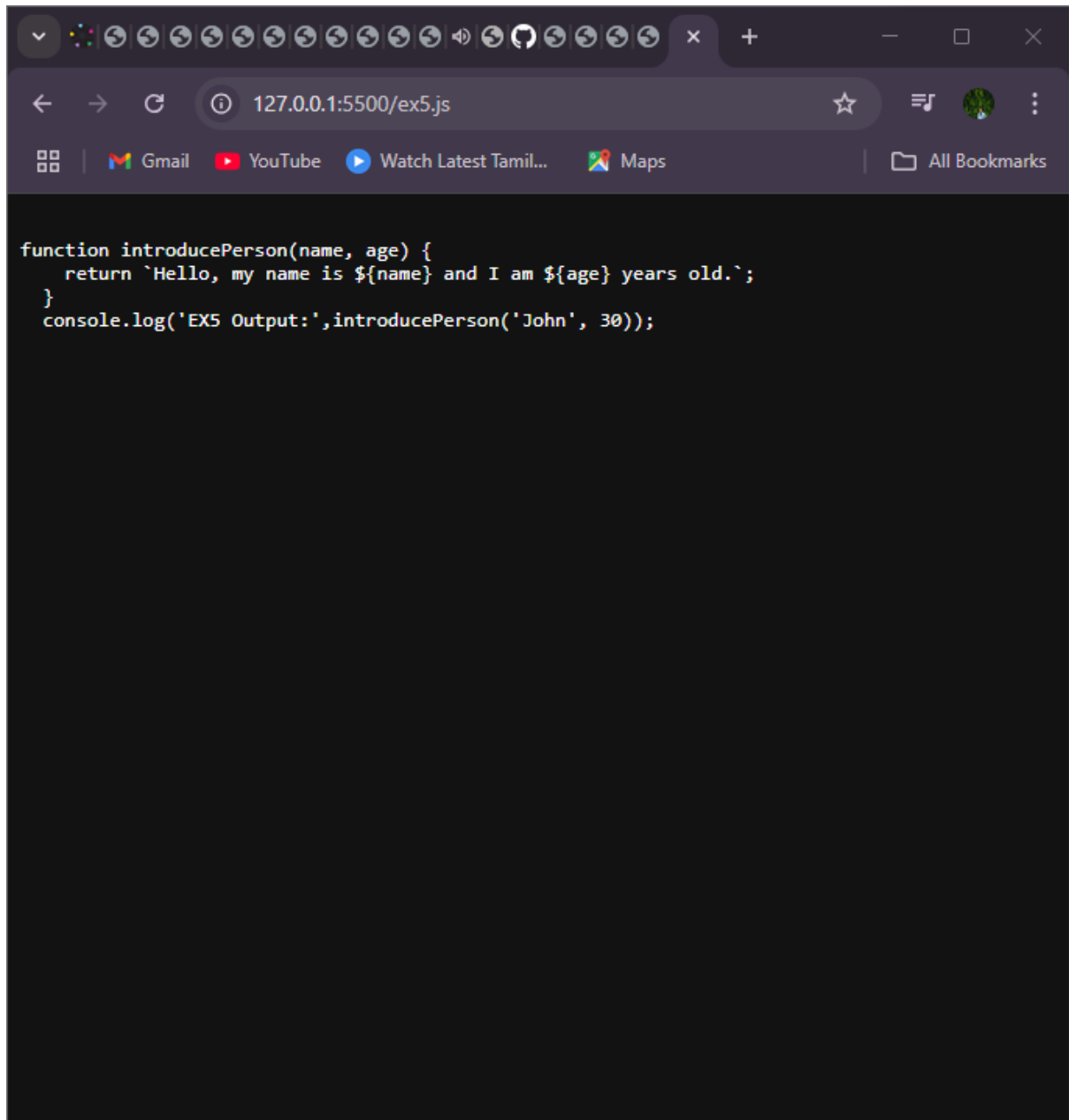
Ex4



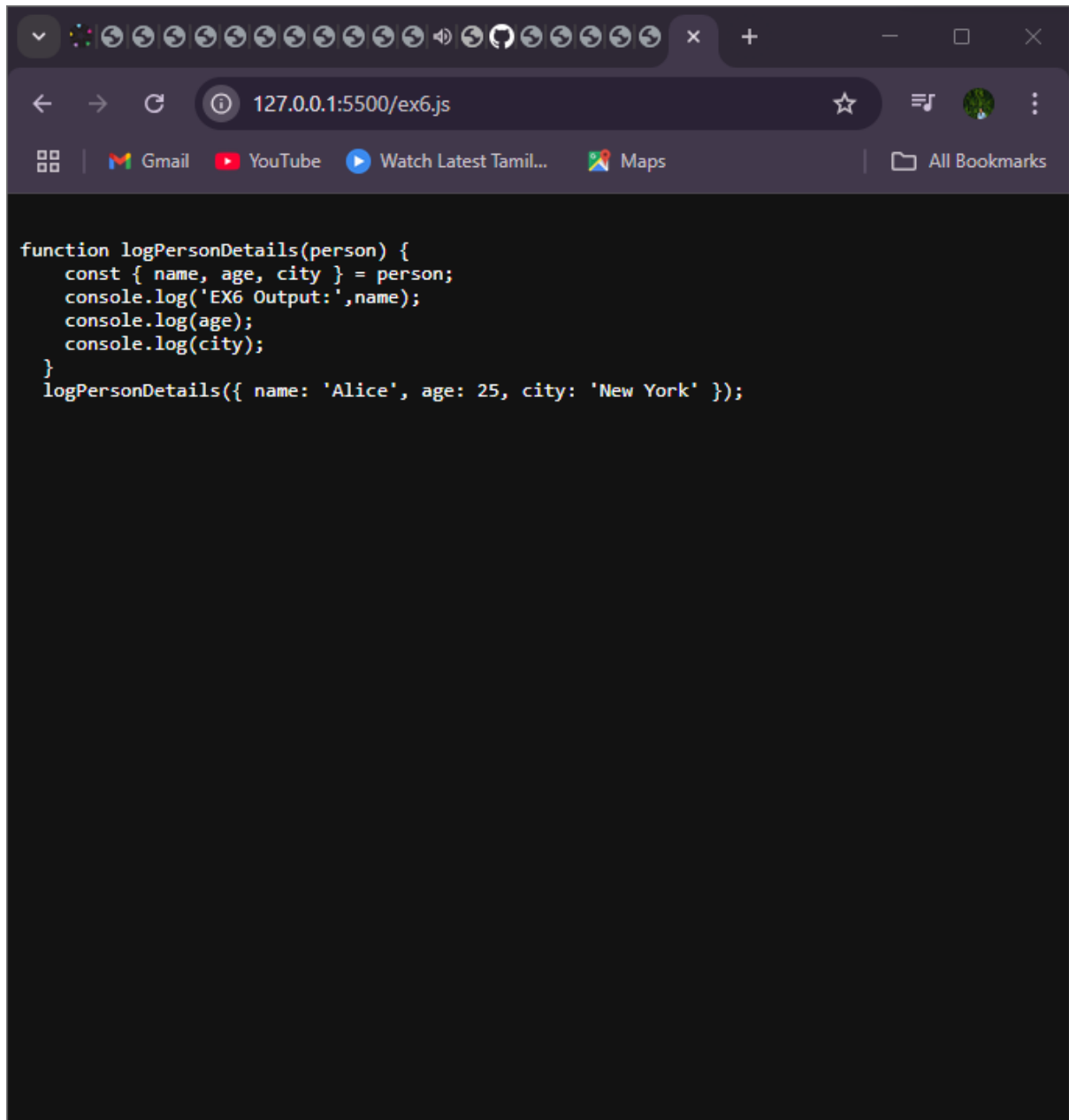
The image shows a web browser window with a dark theme. The address bar displays the URL `127.0.0.1:5500/ex4.js`. Below the address bar, there are several bookmarks: Gmail, YouTube, Watch Latest Tamil..., and Maps. The main content area of the browser displays a JavaScript function `safeDivide(a, b)` and two console log statements. The function is designed to handle division by zero by throwing an error. The console log statements demonstrate the function's behavior: the first log shows the result of `safeDivide(4, 2)`, and the second log shows the error message for `safeDivide(4, 0)`.

```
function safeDivide(a, b) {  
  try {  
    if (b === 0) {  
      throw new Error("Division by zero is not allowed.");  
    }  
    return a / b;  
  } catch (error) {  
    return error.message;  
  }  
}  
console.log('EX4 Output:', safeDivide(4, 2));  
console.log(safeDivide(4, 0));
```

Ex5



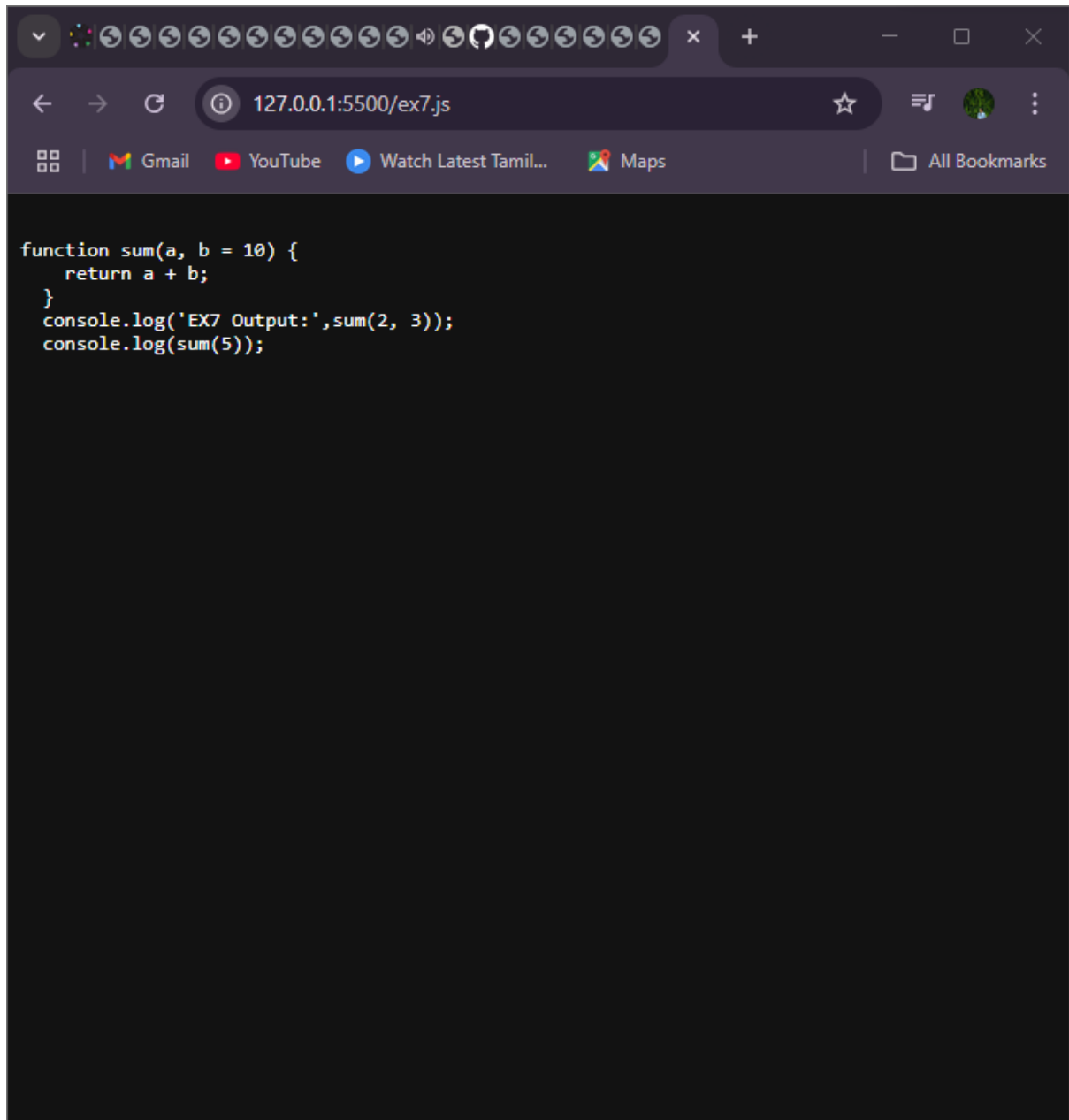
Ex6



The image shows a web browser window with a dark theme. The address bar displays the URL `127.0.0.1:5500/ex6.js`. Below the address bar, there are several bookmarks: Gmail, YouTube, Watch Latest Tamil..., and Maps. The main content area of the browser is dark and displays the following JavaScript code:

```
function logPersonDetails(person) {  
  const { name, age, city } = person;  
  console.log('EX6 Output:',name);  
  console.log(age);  
  console.log(city);  
}  
logPersonDetails({ name: 'Alice', age: 25, city: 'New York' });
```

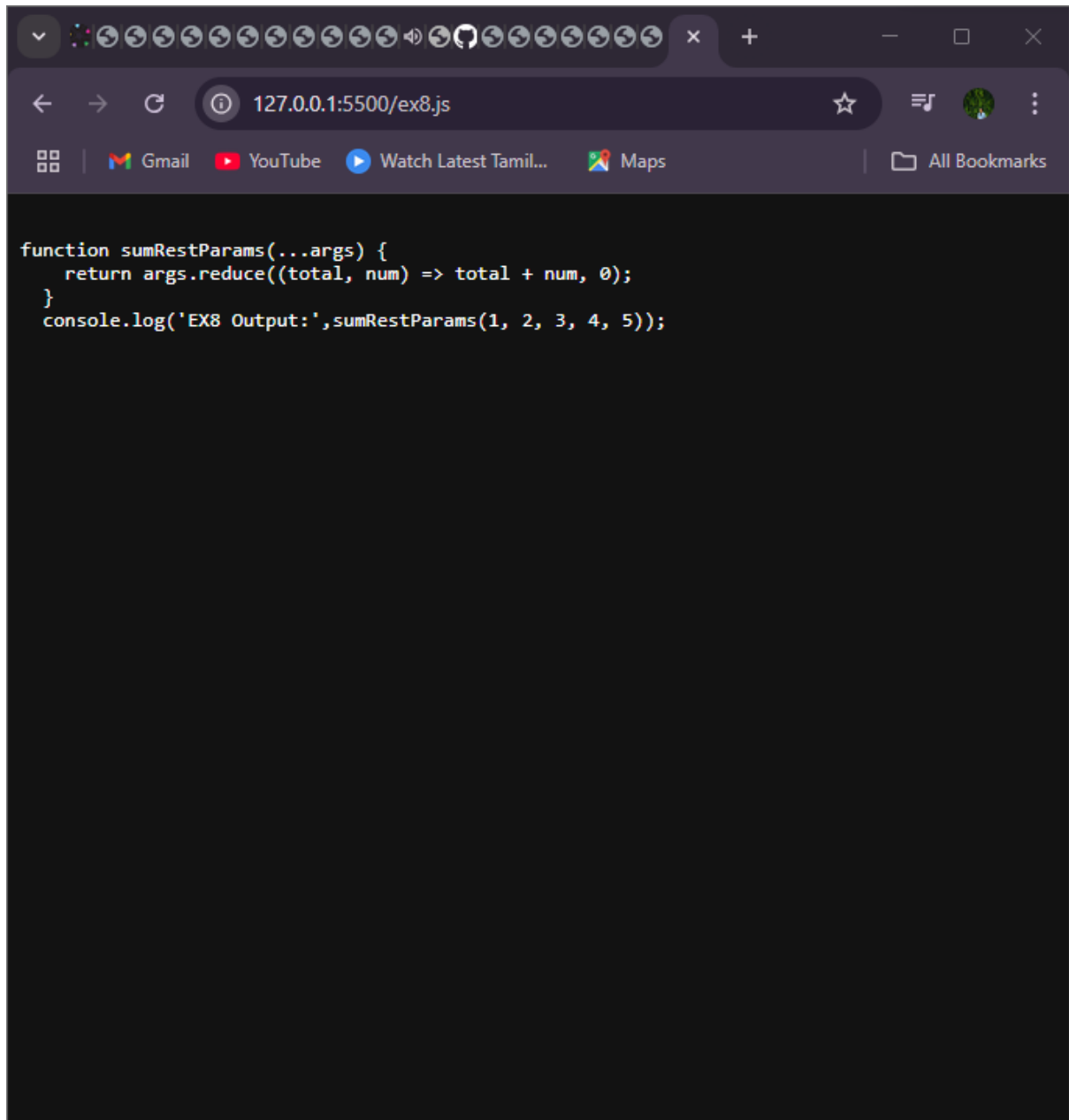
Ex7



The image shows a web browser window with a dark theme. The address bar displays the URL `127.0.0.1:5500/ex7.js`. Below the address bar, there are several bookmarks: Gmail, YouTube, Watch Latest Tamil..., and Maps. The main content area of the browser is dark and displays the following JavaScript code:

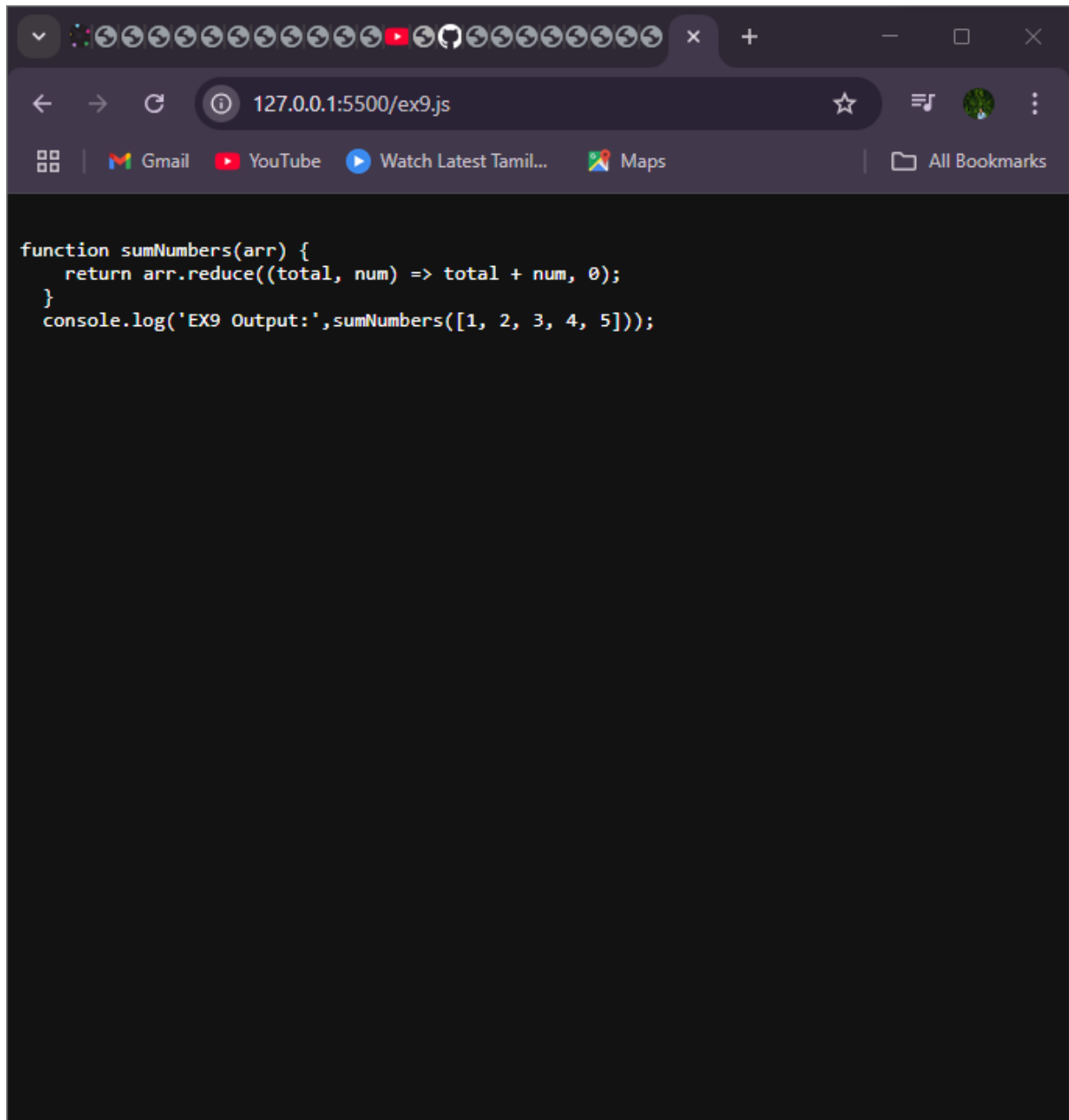
```
function sum(a, b = 10) {  
  return a + b;  
}  
console.log('EX7 Output:',sum(2, 3));  
console.log(sum(5));
```

Ex8





Ex9



The image shows a web browser window with a dark theme. The address bar displays the URL `127.0.0.1:5500/ex9.js`. Below the address bar, there are several bookmark icons: Gmail, YouTube, Watch Latest Tamil..., and Maps. The main content area of the browser is dark and contains the following JavaScript code:

```
function sumNumbers(arr) {  
  return arr.reduce((total, num) => total + num, 0);  
}  
console.log('EX9 Output:',sumNumbers([1, 2, 3, 4, 5]));
```