

The screenshot shows the Visual Studio Code (VS Code) interface. The top bar includes the standard menu items: File, Edit, Selection, View, Go, Run, Terminal, Help, and a set of navigation icons. A search bar at the top right contains the text "day17\_assignment". The left sidebar has sections for EXPLORER, OPEN EDITORS, DAY17\_ASSIGNMENT, and a pinned JS file "fs-challenge.js". The main area displays the code for "fs-challenge.js". The code uses promises from the fs module to write and read a file named "feedback.txt". It logs "Data written successfully." when writing and "Reading file..." when reading. The terminal tab is active, showing the command "node fs-challenge.js" being run and the resulting output: "Data written successfully.", "Reading file...", and "Node.js is awesome!". The bottom status bar shows the file count (0), error count (0), and a Git Graph icon.

```
const fs = require('fs').promises;
async function run() {
  const fileName = 'feedback.txt';
  const userInput = "Node.js is awesome!";
  try {
    await fs.writeFile(fileName, userInput);
    console.log("Data written successfully.");
    console.log("Reading file...");
    const data = await fs.readFile(fileName, "utf8");
    console.log(data);
  } catch (err) {
    console.error("Error:", err);
  }
}
run();
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

powershell + powershell

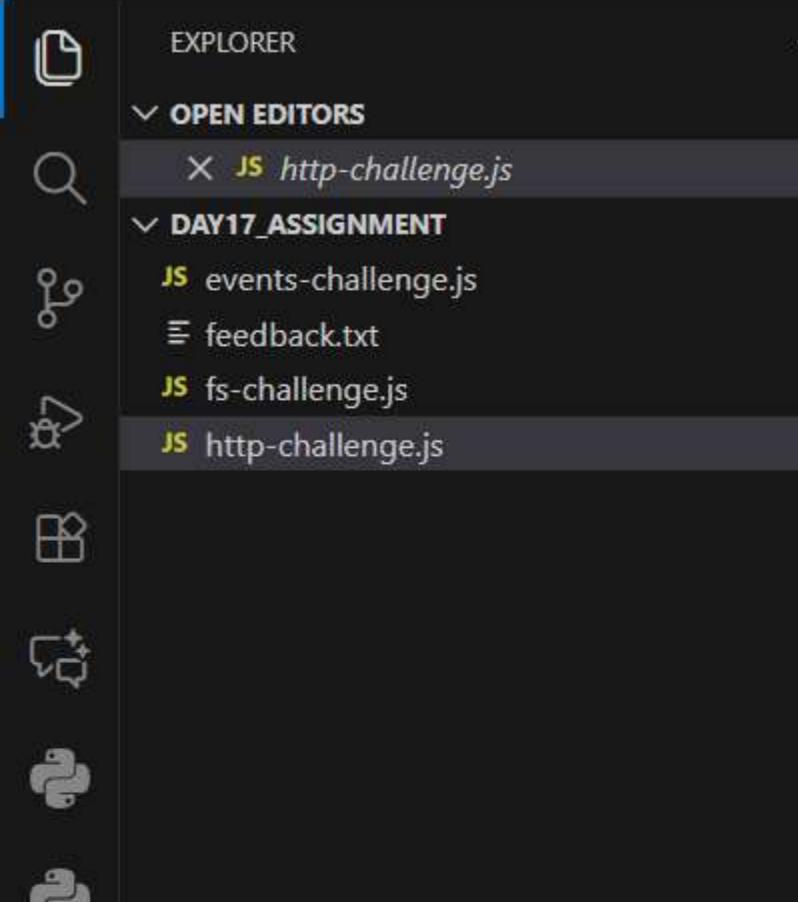
```
PS C:\Users\kushw\OneDrive\Desktop\Wipro NGA - MERN\Day17\day17_assignment> node fs-challenge.js
Data written successfully.
Reading file...
Node.js is awesome!
```

PS C:\Users\kushw\OneDrive\Desktop\Wipro NGA - MERN\Day17\day17\_assignment>

> OUTLINE  
> TIMELINE

0 0 Git Graph

Ln 1, Col 1 Spaces: 2



```
JS http-challenge.js X
JS http-challenge.js > ...
1 const http = require('http');
2 const fs = require('fs');
3 const path = require('path');
4
5 const server = http.createServer((req, res) => {
6   if (req.url === "/") {
7     res.writeHead(200, { "Content-Type": "text/plain" });
8     res.end("Hello from Node.js Server");
9   } else if (req.url === "/about") {
10    res.writeHead(200, { "Content-Type": "text/plain" });
11    res.end("About Page");
12  } else {
13    res.writeHead(404, { "Content-Type": "text/plain" });
14    res.end("404 Not Found");
15  }
16});
17
18 server.listen(3000, () => {
19   console.log("Server running at http://localhost:3000");
20});
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

node ▲ + ▼ □ ✎ ... | ⌂ ×

PS C:\Users\kushw\OneDrive\Desktop\Wipro NGA - MERN\Day17\day17\_assignment> node fs-challenge.js  
Data written successfully.

Reading file...

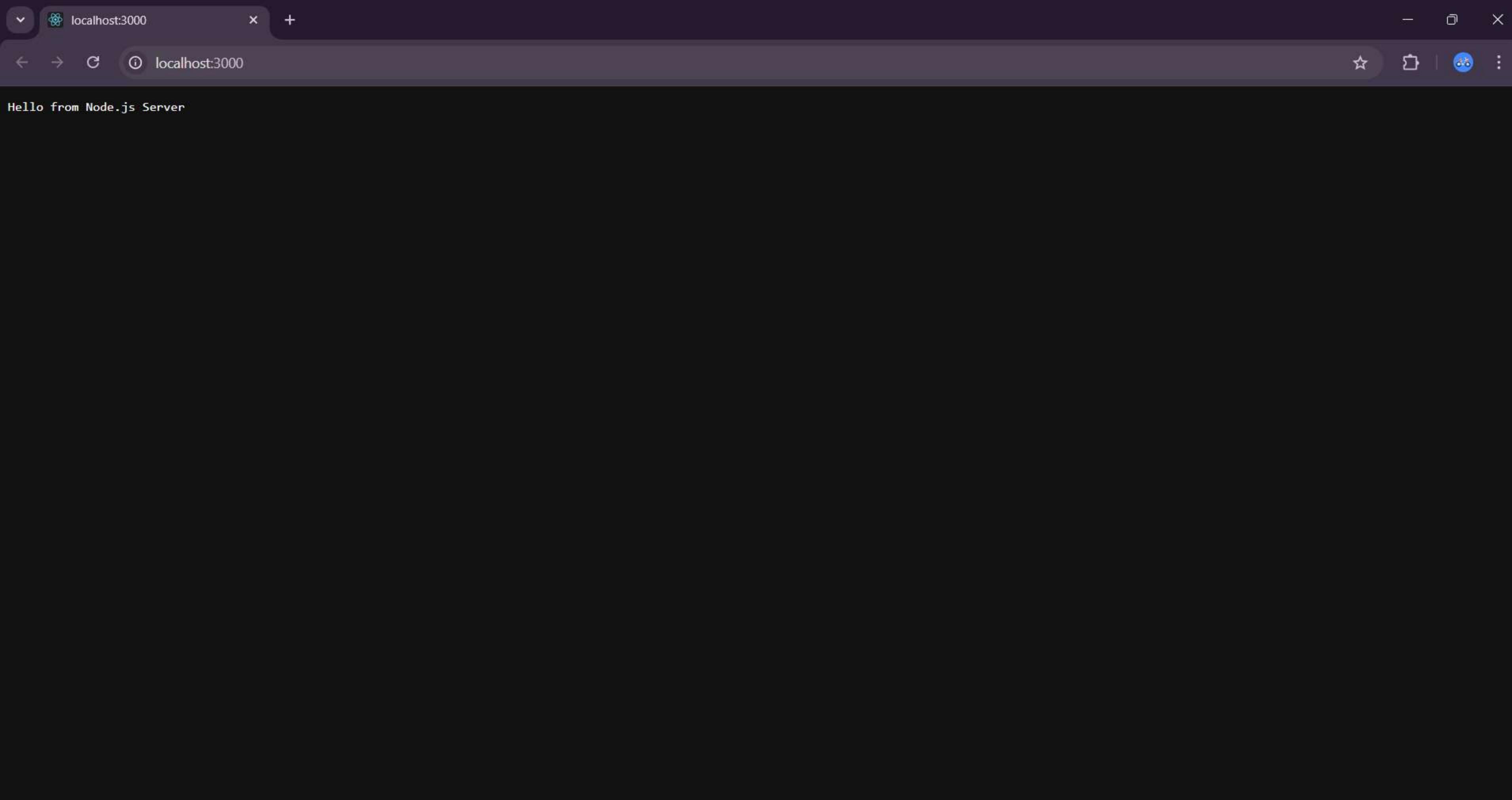
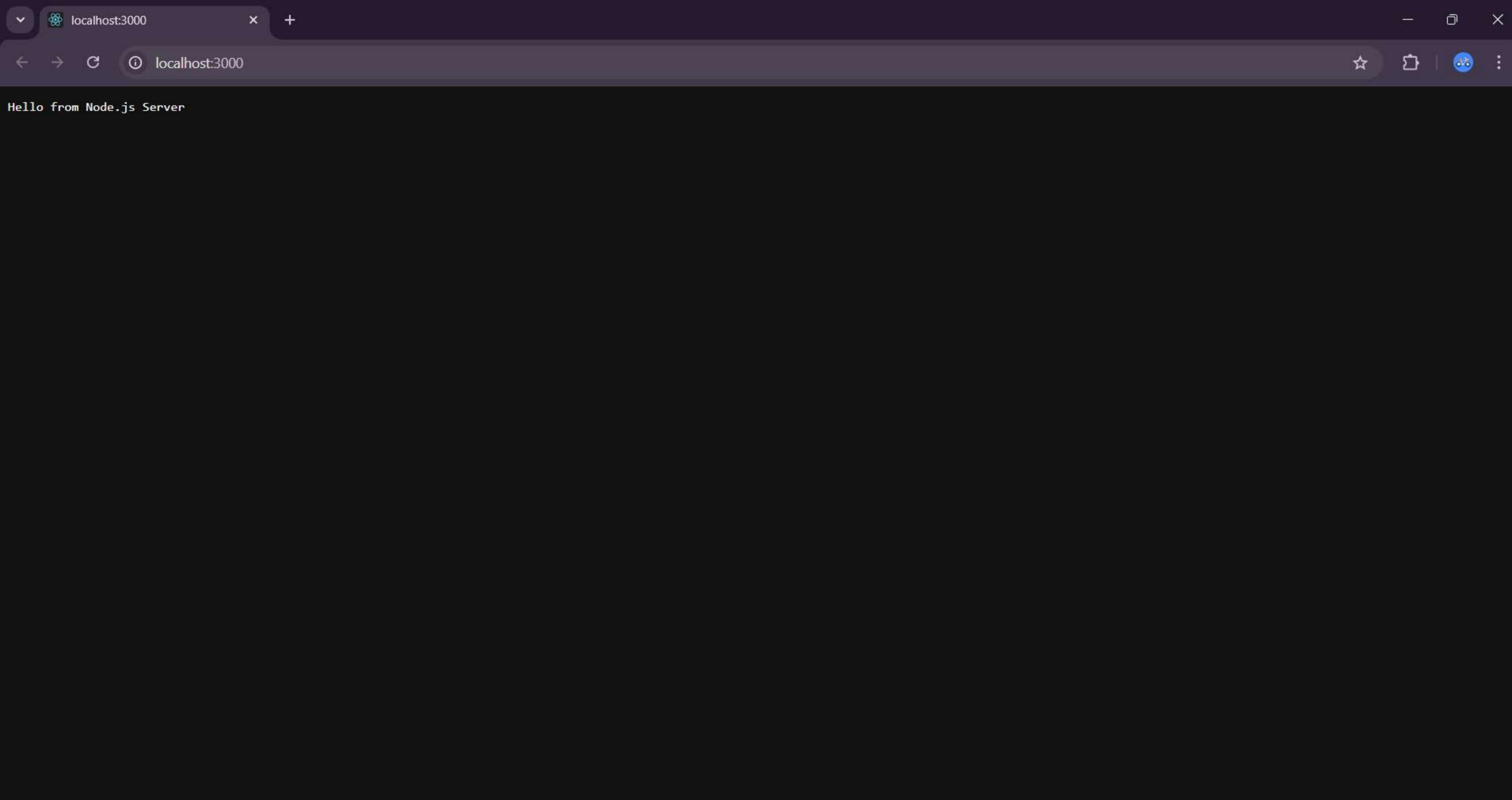
① Node.js is awesome!

node http-challenge.js

Server running at http://localhost:3000 NGA - MERN\Day17\day17\_assignment>

④ PS C:\Users\kushw\OneDrive\Desktop\Wipro NGA - MERN\Day17\day17\_assignment> node http-challenge.js  
Server running at http://localhost:3000





The screenshot shows a dark-themed code editor interface, likely Visual Studio Code, with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Search Bar:** day17\_assignment
- Explorer Bar (Left):** Shows the project structure with files: events-challenge.js, feedback.txt, fs-challenge.js, and http-challenge.js under DAY17\_ASSIGNMENT.
- Editor Area (Top Right):** Title bar says JS events-challenge.js X.
- Code Editor Content:**

```
1  const EventEmitter = require('events');
2
3  const emitter = new EventEmitter();
4
5  emitter.on('userLoggedIn', (user) => {
6    console.log(`User ${user} logged in.`);
7  });
8
9  emitter.on('userLoggedOut', (user) => {
10   console.log(`User ${user} logged out.`);
11 });
12
13 emitter.on('sessionExpired', (user) => {
14   console.log(`Session expired for ${user}.`);
15 });
16
17 const user = "Deepak";
18
19 emitter.emit("userLoggedIn", user);
20 emitter.emit("userLoggedOut", user);
```
- Terminal Tab:** TERMINAL
- Terminal Output:**
  - PS C:\Users\kushw\OneDrive\Desktop\Wipro NGA - MERN\Day17\day17\_assignment> node events-challenge.js
  - User Deepak logged in.
  - User Deepak logged out.
  - Session expired for Deepak.
- Bottom Status Bar:** powershell ▲ + ▾ □ ✎ ... | [ ] ×
- Bottom Icons:** User icon, Outline icon, Timeline icon.