

DEVOPS AND FULLSTACK

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BATCH – 03

09 – 02 – 2026

The image displays two screenshots of a Visual Studio Code editor, illustrating the development of a fullstack application. The top screenshot shows the backend code in 'index.js', which uses Express.js to create a REST API endpoint for a dashboard. The bottom screenshot shows the frontend code in 'Dashboard.jsx', which uses React and useState to fetch data from the backend API.

Backend Code (index.js):

```
1 const express = require("express");
2 const cors = require("cors");
3
4 const app = express();
5
6 app.use(cors());
7
8 app.get("/api/dashboard", (req, res) => {
9   res.json({
10     totalIncome: 50000,
11     totalExpenses: 32000
12   });
13 });
14
15 app.listen(5000, () => {
16   console.log("Server running on port 5000");
17 });
18
```

Frontend Code (Dashboard.jsx):

```
1 import { useEffect, useState } from "react";
2
3 function Dashboard() {
4   const [data, setData] = useState(null);
5   const [loading, setLoading] = useState(true);
6   const [error, setError] = useState("");
7
8   const fetchDashboardData = () => {
9     setLoading(true);
10    fetch("http://localhost:5000/api/dashboard")
11      .then((res) => {
12        if (!res.ok) throw new Error("Failed to fetch dashboard data");
13        return res.json();
14      })
15      .then((result) => {
16        setData(result);
17        setLoading(false);
18      })
19      .catch(() => {
20        setError("Failed to fetch dashboard data");
21      });
22   };
23
24   useEffect(() => {
25     fetchDashboardData();
26   }, []);
27
28   return (
29     <div>
30       <h2>Dashboard</h2>
31       <div>
32         <div>Total Income</div>
33         <div>Total Expenses</div>
34       </div>
35     </div>
36   );
37 }
38
```

The terminal output shows the successful execution of the backend server and the frontend application, confirming that the server is running on port 5000 and the frontend is running on port 3000.

node - Backend

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS QUERY RESULTS GITLENS POSTMAN CONSOLE

```
PS C:\Users\saith\OneDrive\Desktop\Devops_1127\LAB_ASSINMENT\Backend> node index.js
Server running on port 5000
Server running on port 5000
PS C:\Users\saith\OneDrive\Desktop\Devops_1127\LAB_ASSINMENT\Backend> npm install cors
PS C:\Users\saith\OneDrive\Desktop\Devops_1127\LAB_ASSINMENT\Backend> npm install cors

added 2 packages, and audited 68 packages in 4s
added 2 packages, and audited 68 packages in 4s

23 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS C:\Users\saith\OneDrive\Desktop\Devops_1127\LAB_ASSINMENT\Backend> node index.js
Server running on port 5000
█
```

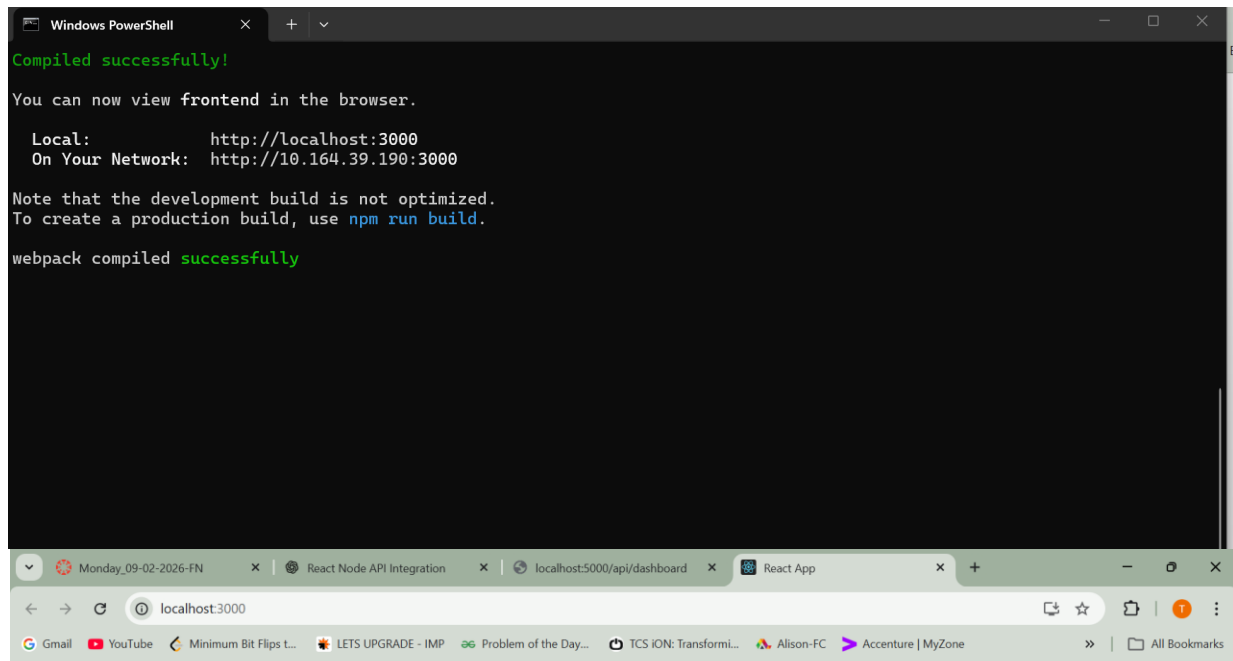
Monday_09-02-2026-FN x React Node API Integration x localhost:5000/api/dashboard x React App x +

localhost:5000/api/dashboard

Gmail YouTube Minimum Bit Flips t... LETS UPGRADE - IMP 66 Problem of the Day... TCS ION: Transform... Alison-FC Accenture | MyZone >> All Bookmarks

Pretty print

```
{
  "totalIncome": 50000,
  "totalExpenses": 32000
}
```



Dashboard

Total Income: ₹50,000

Total Expenses: ₹32,000

Balance: ₹18,000

Refresh