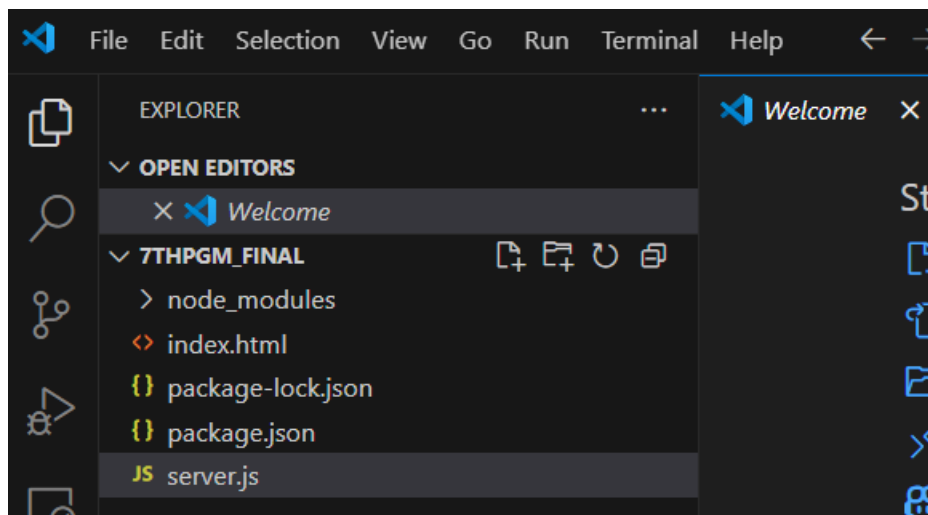


7. Develop an authentication mechanism with email_id and password using HTML and Express JS (POST method)

```
npm init -y
```

```
npm install express body-parser
```

Create a file named index.html in your project's root:



```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <title>Login</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Login</h1>
```

```
  <form action="/login" method="post">
```

```
    <label for="email_id">Email:</label>
```

```
    <input type="email" id="email_id" name="email_id" required><br><br>
```

```
    <label for="password">Password:</label>
```

```
    <input type="password" id="password" name="password" required><br><br>
```

```
    <button type="submit">Login</button>
```

```
</form>
```

</body>

</html>

Create a file named server.js:

```
const express = require('express');
```

```
const bodyParser = require('body-parser');
```

```
const app = express();
```

```
// Middleware
```

```
app.use(bodyParser.urlencoded({ extended: true }));
```

```
app.use(express.static('.')); // Serve static files (like index.html)
```

```
// Hardcoded user for demo (for real apps, use a database!)
```

```
const users = [
```

```
  { email_id: 'mernlab@gmail.com', password: 'test@123' }
```

```
];
```

```
// Route to serve the login form
```

```
app.get('/', (req, res) => {
```

```
  res.sendFile(__dirname + '/index.html');
```

```
});
```

```
// Handle login POST request
```

```
app.post('/login', (req, res) => {
```

```
  const { email_id, password } = req.body;
```

```
  const user = users.find(u => u.email_id === email_id && u.password === password);
```

```
  if (user) {
```

```
    res.send(`Login successful! Welcome, ${email_id}.`);
```

```
  } else {
```

```
    res.status(401).send('Invalid email or password!');
  }
});

// Start server
const PORT = 3000;
app.listen(PORT, () => {
  console.log(`Server running on http://localhost:${PORT}`);
});
```

To Start your server:

node server.js

Open your browser and go to <http://localhost:3000>.

Enter the demo credentials:

Email: mernlab@gmail.com

Password: test@123

For Valid Login:



< > ↻ 🏠 ⓘ http://localhost:3000

Login

Email:

Password:

Login

< > ↻ 🏠 ⓘ http://localhost:3000/login

Login successful! Welcome, mernlab@gmail.com.

For Invalid Login:

< > ↻ 🏠 ⓘ http://localhost:3000

Login

Email:

Password:

Login

< > ↻ 🏠 ⓘ http://localhost:3000/login

Invalid email or password!