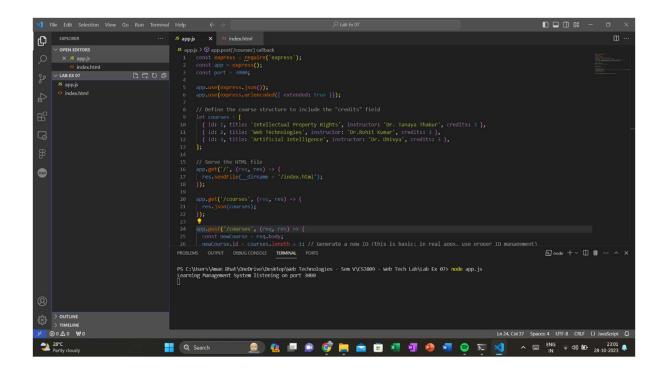
LAB EXERCISE 07 – EXPRESSIS ROUTING

```
Program:-
App.js
const express = require('express');
const app = express();
const port = 3000;
app.use(express.json());
app.use(express.urlencoded({ extended: true }));
// Define the course structure to include the "credits" field
let courses = [
 { id: 1, title: 'Intellectual Property Rights', instructor: 'Dr. Tanaya Thakur', credits: 3 },
 { id: 2, title: 'Web Technologies', instructor: 'Dr.Rohit Kumar', credits: 3 },
 { id: 3, title: 'Artificial Intelligence', instructor: 'Dr. Dhivya', credits: 3 },
];
// Serve the HTML file
app.get('/', (req, res) => {
 res.sendFile(__dirname + '/index.html');
});
app.get('/courses', (req, res) => {
 res.json(courses);
});
app.post('/courses', (req, res) => {
 const newCourse = req.body;
```

```
newCourse.id = courses.length + 1; // Generate a new ID (this is basic; in real apps, use
proper ID management)
 courses.push(newCourse);
res.status(201).json(newCourse);
});
app.listen(port, () => {
 console.log(`Learning Management System listening on port ${port}`);
});
Index.html
<!DOCTYPE html>
<html>
<head>
 <title>Learning Management System</title>
</head>
<body>
 <h1>Learning Management System</h1>
 <h2>Add Course</h2>
 <form action="/courses" method="post">
  <label for="title">Course Title:</label>
  <input type="text" id="title" name="title" required><br>
  <label for="instructor">Instructor:</label>
  <input type="text" id="instructor" name="instructor" required><br>
  <label for="credits">Number of Credits:</label>
  <input type="number" id="credits" name="credits" required><br>
```

```
<button type="submit">Add Course</button>
 </form>
 <h2>Courses</h2>
 <!-- Course list will be displayed here -->
 <script>
 // Fetch and display the list of courses
 fetch('/courses')
   .then(response => response.json())
   .then(courses => {
   const coursesList = document.getElementById('courses');
    courses.forEach(course => {
     const li = document.createElement('li');
    li.textContent = `Title: ${course.title}, Instructor: ${course.instructor}, Credits:
${course.credits}`;
    coursesList.appendChild(li);
   });
  });
 </script>
</body>
</html>
```

Output:-





Learning Management System

Add Course

Course Title: Instructor: Number of Credits: Add Course

Courses

- Title: Intellectual Property Rights, Instructor: Dr. Tanaya Thakur, Credits: 3
- Title: Web Technologies, Instructor: Dr.Rohit Kumar, Credits: 3
 Title: Artificial Intelligence, Instructor: Dr. Dhivya, Credits: 3
 Title: Cyber Security, Instructor: Dr. Divya S, Credits: 3

