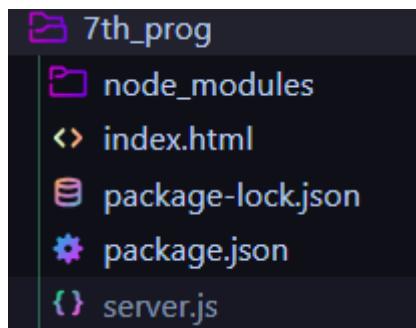


Develop an authentication mechanism with email_id and password using HTML and Express JS (POST method)

STEPS TO FOLLOW:

- Open your USN folder in VS Code
- Create a new directory or folder called 7th_prog (else open this folder in VS Code)
- Get inside that folder (*If you have opened the 7th_prog folder in VS Code ignore this step*)
- Open Terminal in VS Code and write the following commands
 1. npm init -y
 2. npm install express body-parser
- Create 2 files
 1. Server.js
 2. Index.html

STRUCTURE OF THE FILE'S



Server.js

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

const app = express();
const PORT = 3000; //change the port if you get error

// Middleware to parse the body of POST requests
app.use(bodyParser.urlencoded({ extended: true }));

// Route to serve the login page
app.get('/', (req, res) => {
  res.sendFile(__dirname + '/index.html');
});

// Route to handle login
app.post('/login', (req, res) => {
  const { email, password } = req.body;

  // assigning random email id and password for testing {keep your usn@example.com as
  // email id}
})
```

```

const validEmail = 'user@example.com'; {4mt22ci001@example.com}
const validPassword = 'pass1234';

if (email === validEmail && password === validPassword) {
  res.send('Login successful!');
} else {
  res.send('Invalid email or password.');
}
});

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

```

Index.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login</title>
</head>
<body>
  <h1>Login</h1>
  <form action="/login" method="POST">
    <label for="email">Email:</label>
    <input type="email" id="email" name="email" 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>

```

How to run the script

- Node server.js

OUTPUT

A screenshot of a web browser window titled "Login". The address bar shows "localhost:3000". The page content includes a large "Login" heading, an "Email:" label with an input field containing "user@example.com", a "Password:" label with an input field containing masked text, and a "Login" button.

A screenshot of a web browser window titled "localhost:3000/login". The address bar shows "localhost:3000/login". The page content displays the text "Login successful!".

A screenshot of a web browser window displaying a login form. The browser's address bar shows the URL `localhost:3000`. The page itself has a dark header with the word "Login". Below the header, the word "Login" is displayed in a large, bold, black font. There are two input fields: one for "Email" containing `sample@example.com` and one for "Password" containing several dots. A "Login" button is located below the password field.

A screenshot of a web browser window displaying an error message. The browser's address bar shows the URL `localhost:3000/login`. The page content area contains the text "Invalid email or password."