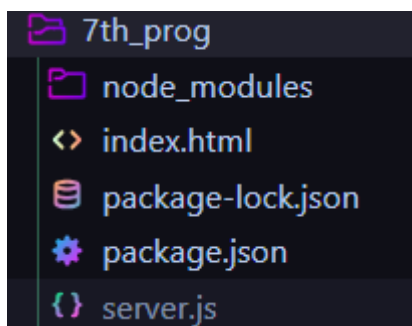


Develop an authentication mechanism with email_id and password using HTML and Express JS (POST method)

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}`);
});
```

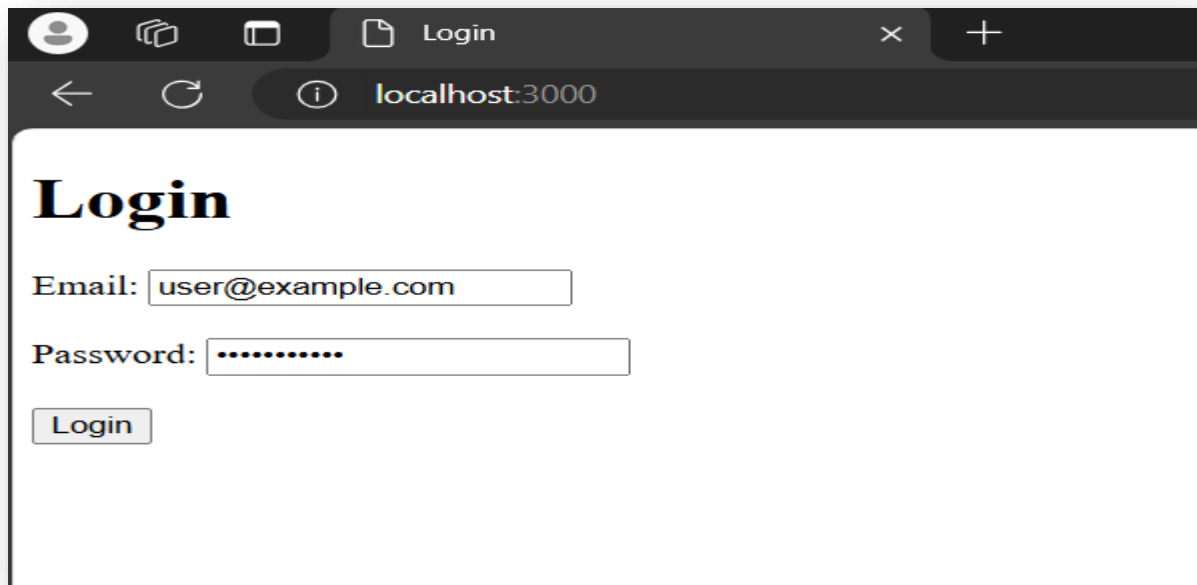
Index.html

```
<!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

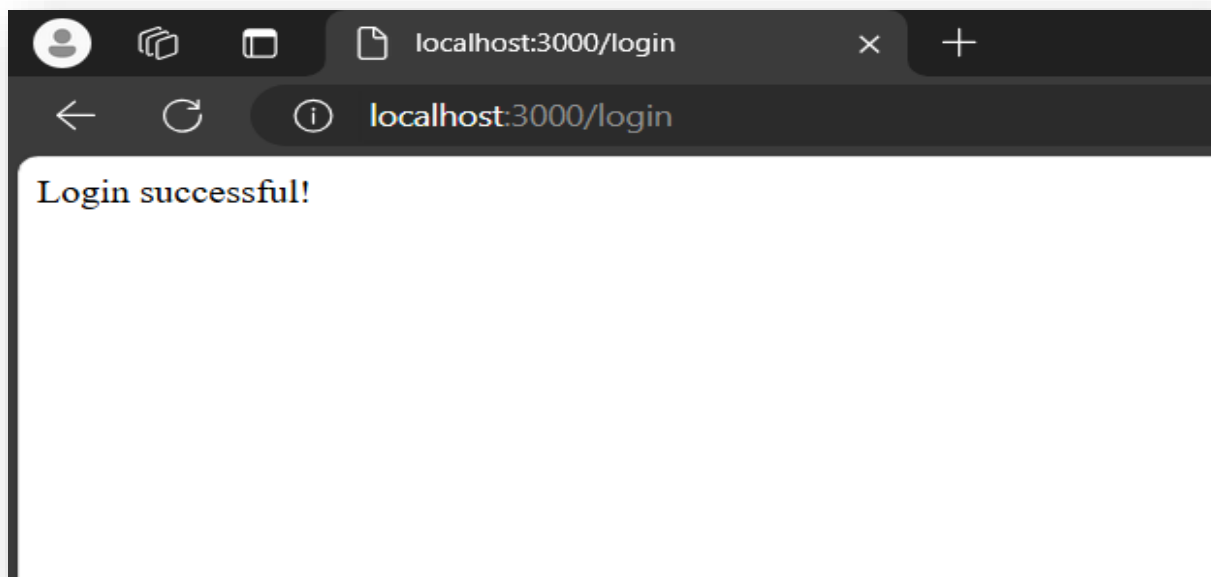


A screenshot of a web browser window. The address bar shows 'localhost:3000'. The page title is 'Login'. The form contains an 'Email' field with the value 'user@example.com', a 'Password' field with masked characters '.....', and a 'Login' button.

Login

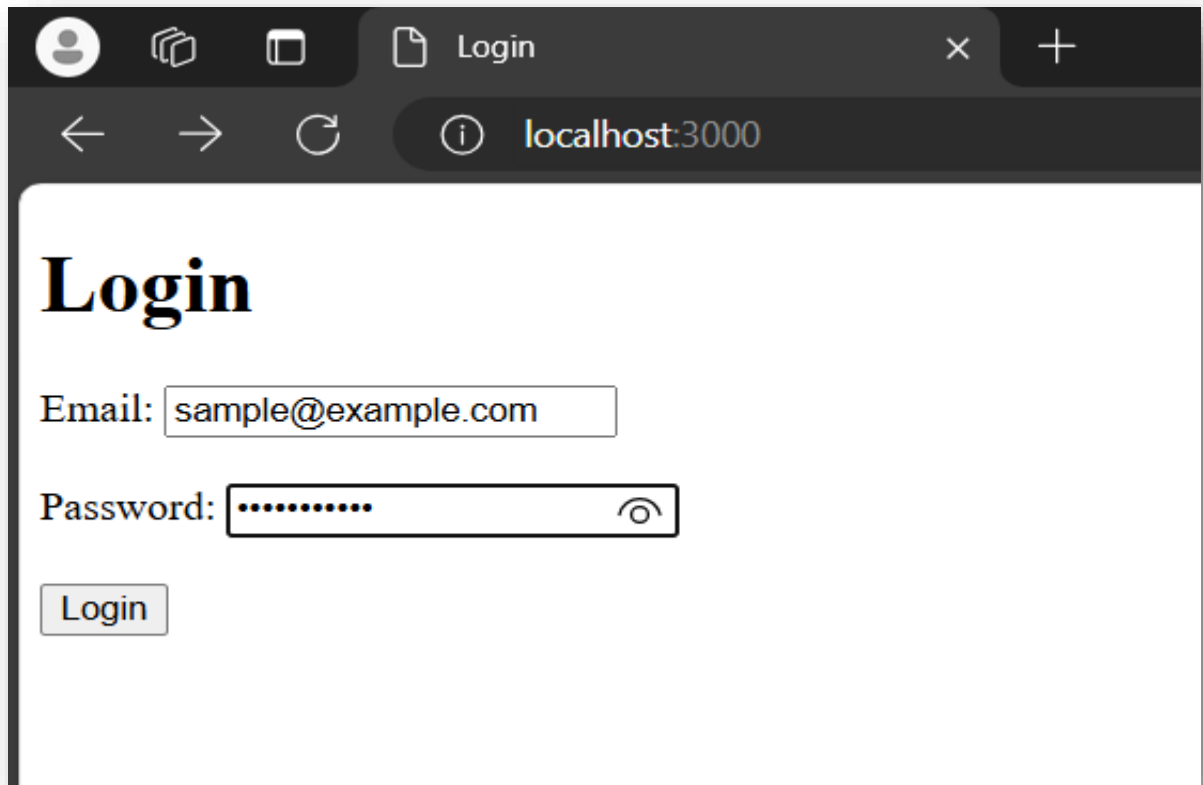
Email:

Password:



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

Login successful!




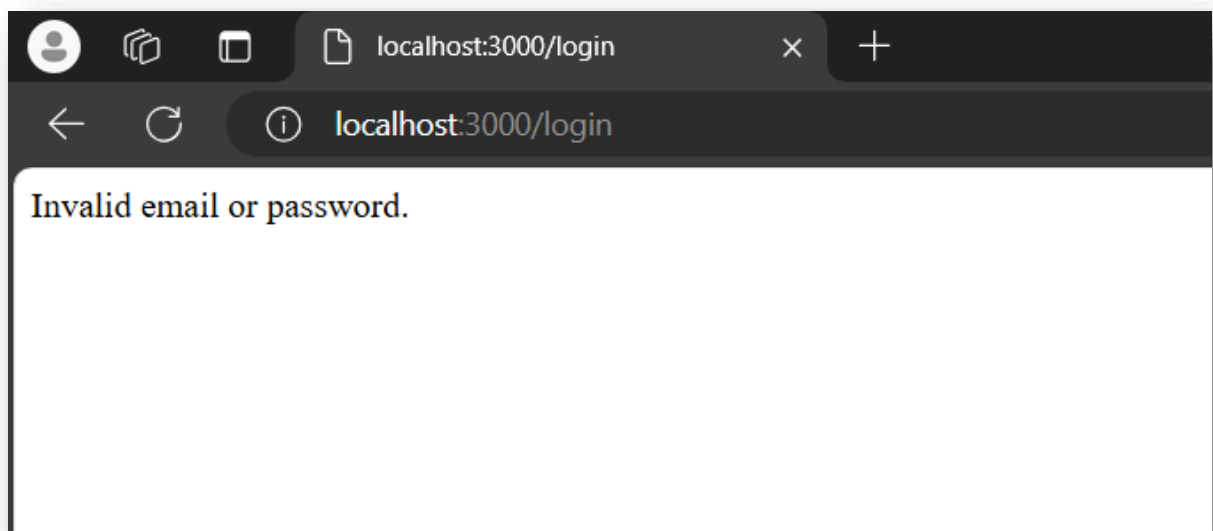
Browser tabs: Login

Address bar: localhost:3000

Login

Email:

Password: 



Browser tabs: localhost:3000/login

Address bar: localhost:3000/login

Invalid email or password.