

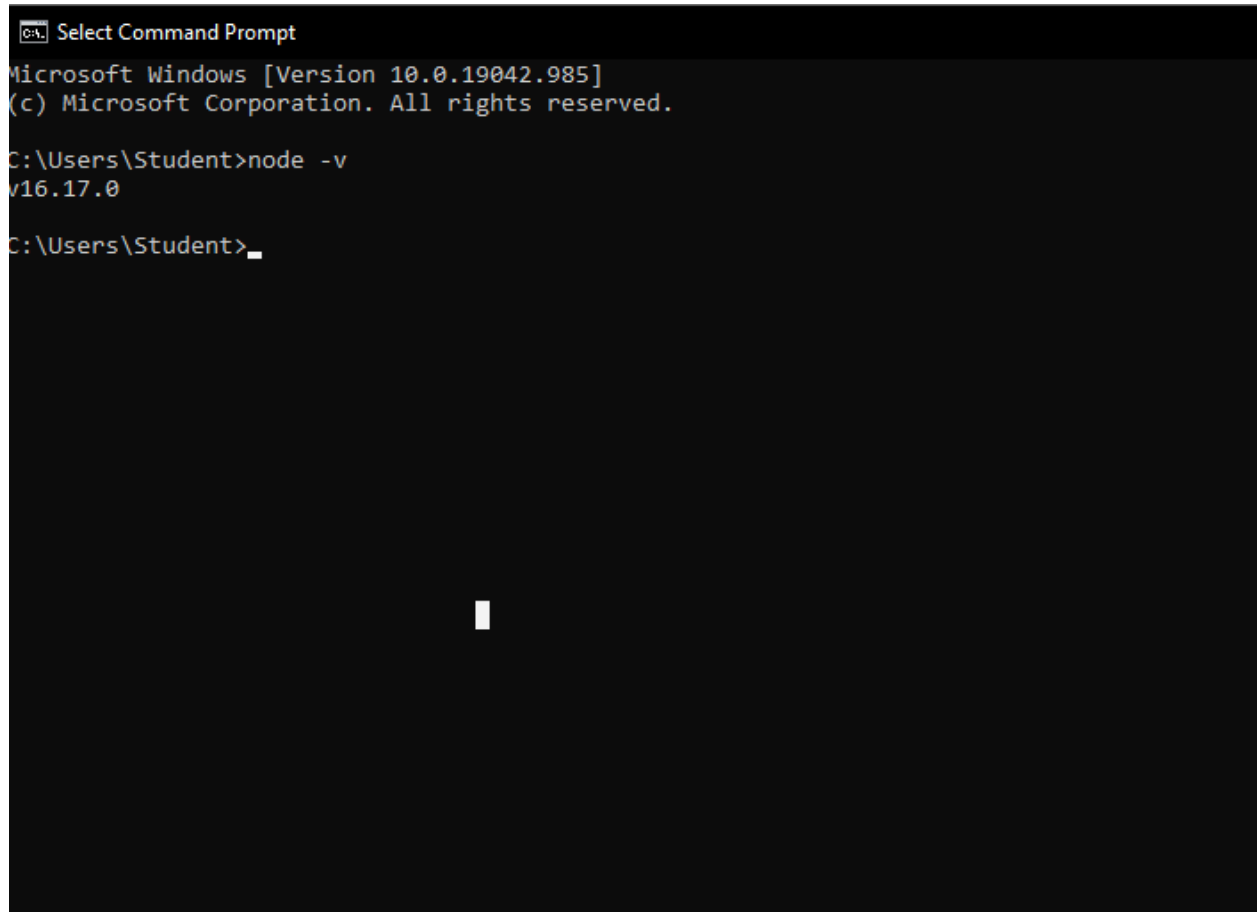
HƯỚNG DẪN CÀI NODEJS – SỬ DỤNG EXPRESS

B1: Kiểm tra máy đã cài nodejs chưa nếu chưa thì cài đặt ở link: <https://nodejs.org/en/>

B2: Tiến hành chạy file cài đặt.

B3: Mở cmd lên kiểm tra đã hoàn thành cài chưa.

- Gõ: node -v



```
Microsoft Windows [Version 10.0.19042.985]
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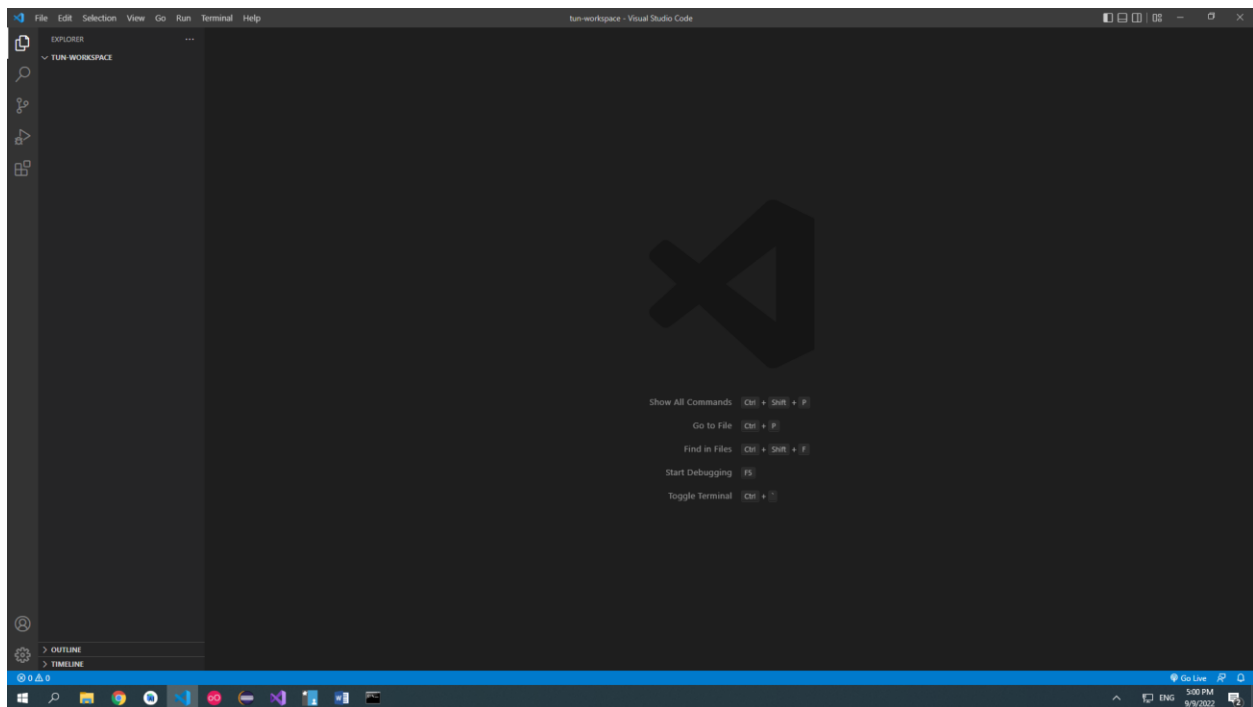
C:\Users\Student>node -v
v16.17.0

C:\Users\Student>
```

- Đã cài thành công.

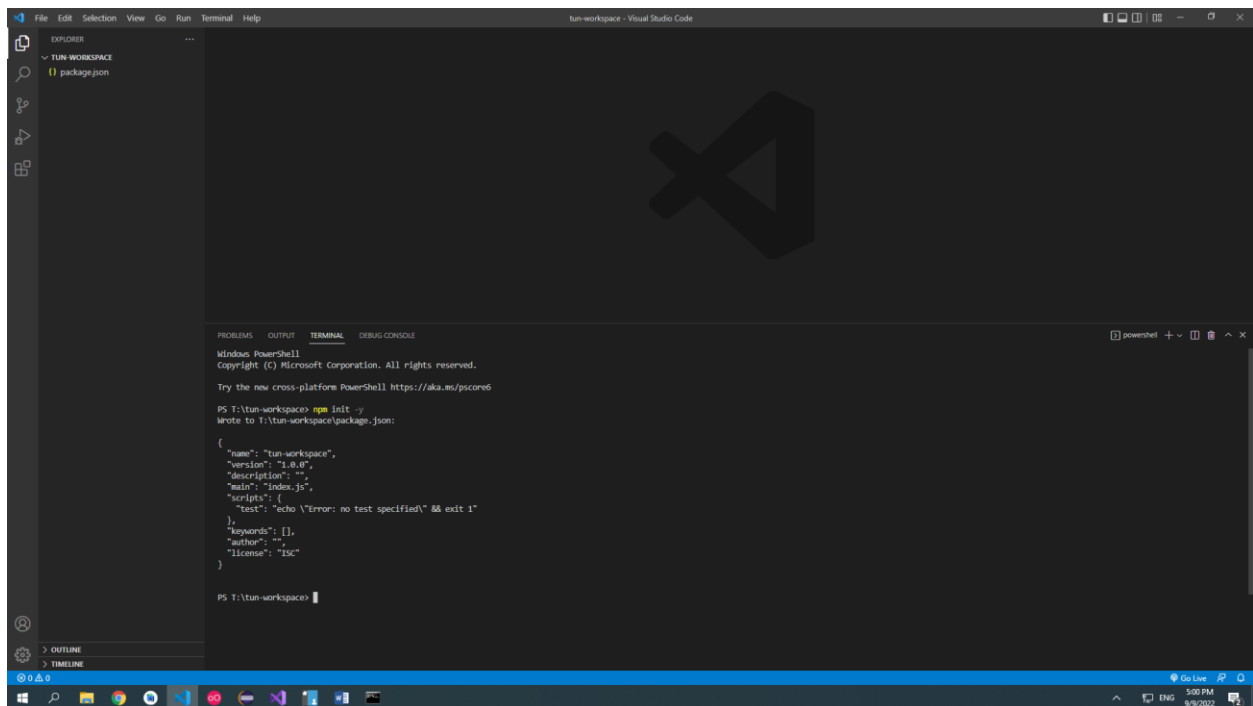
B4: Mở VScode

B5: Mở folder làm việc lên



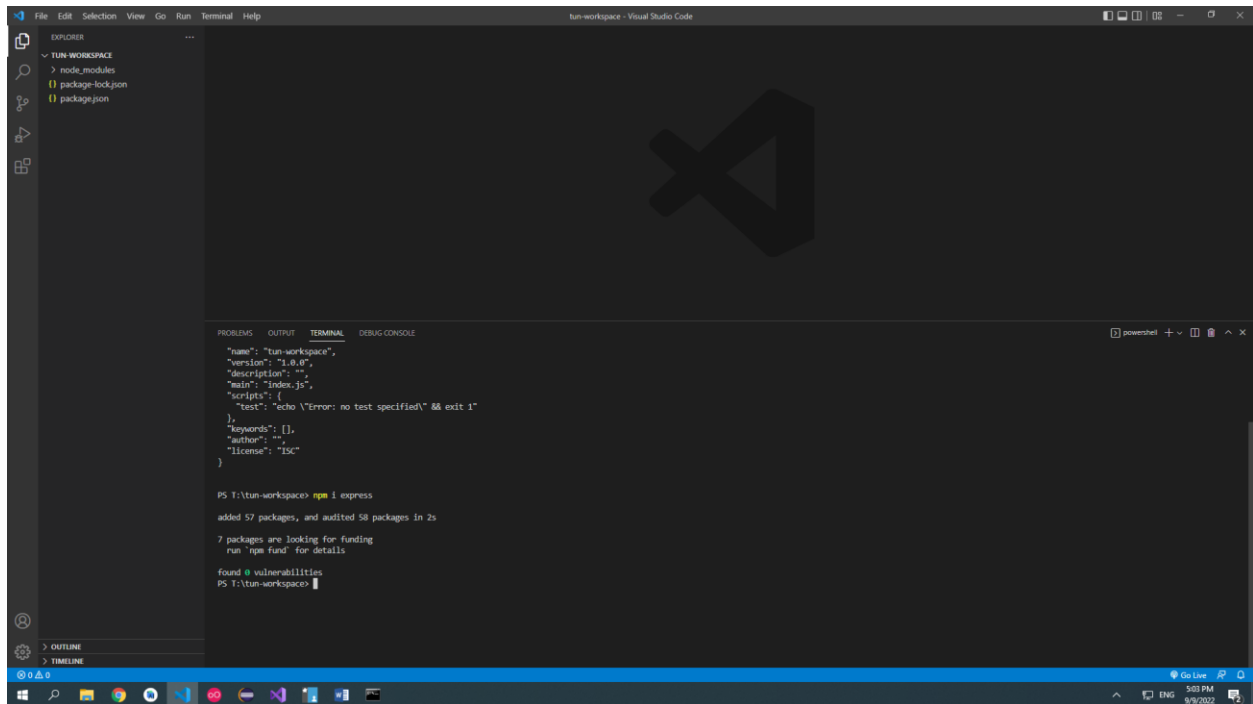
B6: Mở terminal của vscode lên

B7: Tiến hành khởi tạo dự án. Gõ “`npm init -y`”. Sẽ xuất hiện file `package.json` thay đổi thông tin của dự án thì vào này thay đổi.



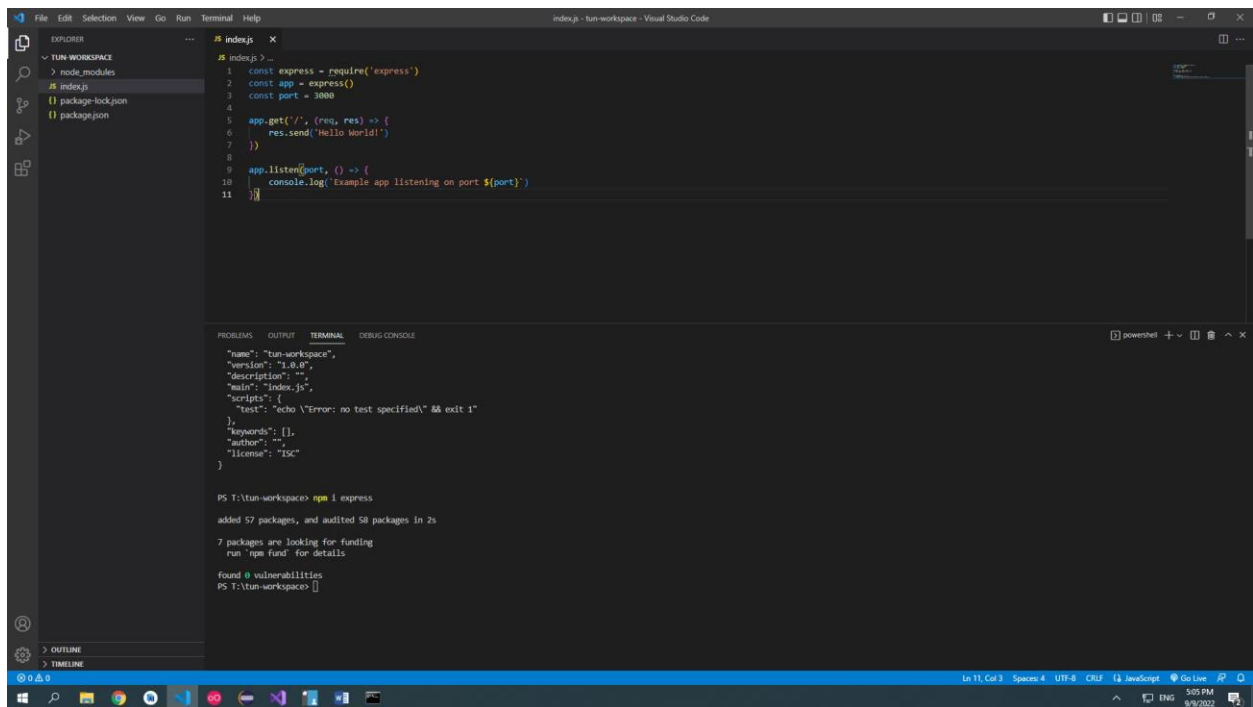
B8: Cài đặt express

- Link thư viện: <https://www.npmjs.com/package/express>
- Gõ “npm install express” vào terminal
- Đợi cài đặt thư viện. Sau khi cài xong sẽ xuất hiện folder “node_modules” và file package-lock.json.



B8: Tạo file index.js và sử dụng express.

- Code mẫu: <http://expressjs.com/en/starter/hello-world.html>

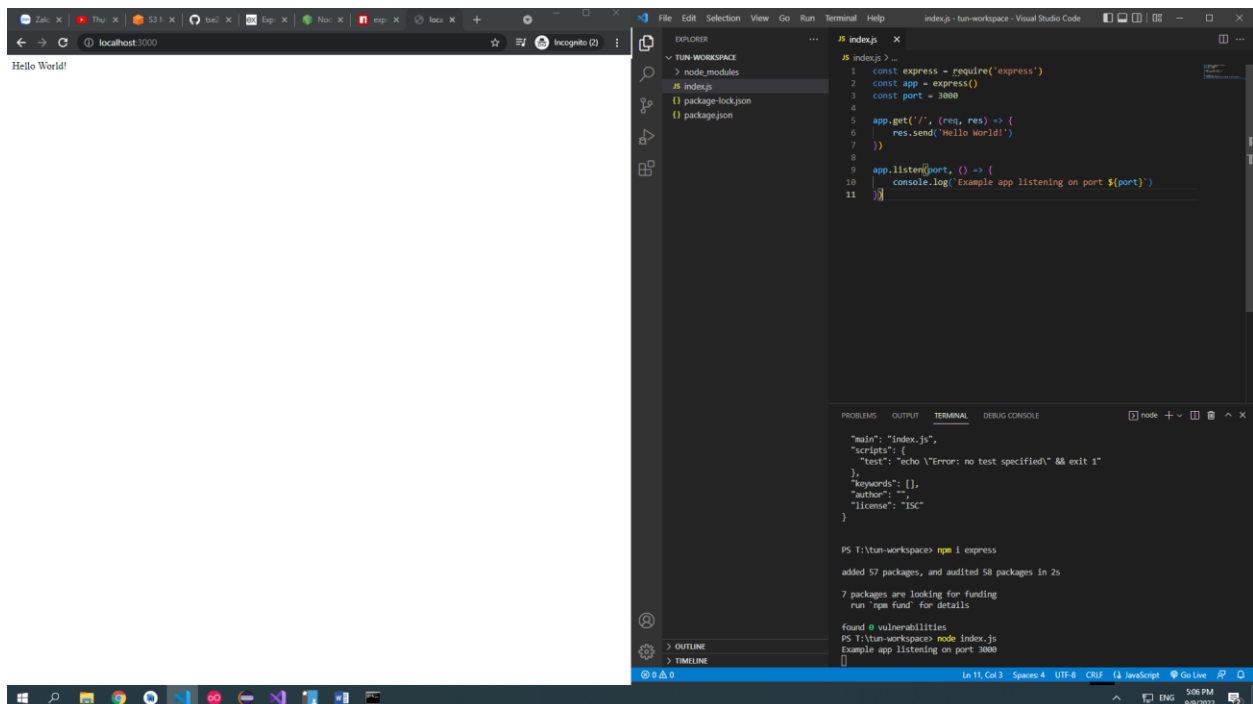


The screenshot shows the Visual Studio Code interface with a file explorer on the left showing the project structure: `TUN-Workspace`, `node_modules`, `index.js`, `package-lock.json`, and `package.json`. The main editor displays the `index.js` file with the following code:

```
1 const express = require('express')
2 const app = express()
3 const port = 3000
4
5 app.get('/', (req, res) => {
6   res.send('Hello World!')
7 })
8
9 app.listen(port, () => {
10   console.log(`Example app listening on port ${port}`)
11 })
```

The terminal at the bottom shows the command `npm i express` being executed, with output indicating that 57 packages were added and 58 packages were audited. The status bar at the bottom indicates the file is `index.js` at line 11, column 3.

B9: Run express: node index.js. Tìm hiểu nodemon để chạy bằng cách khác.



The screenshot shows the Visual Studio Code interface with the same project structure as before. The main editor displays the `index.js` file with the same code as in the previous screenshot. The terminal at the bottom shows the command `node index.js` being executed, with output indicating that the example app is listening on port 3000. The status bar at the bottom indicates the file is `index.js` at line 11, column 3.

- Thành công

Video hướng dẫn thực hành Tuần 4

https://www.youtube.com/watch?v=17_3E-RTBns