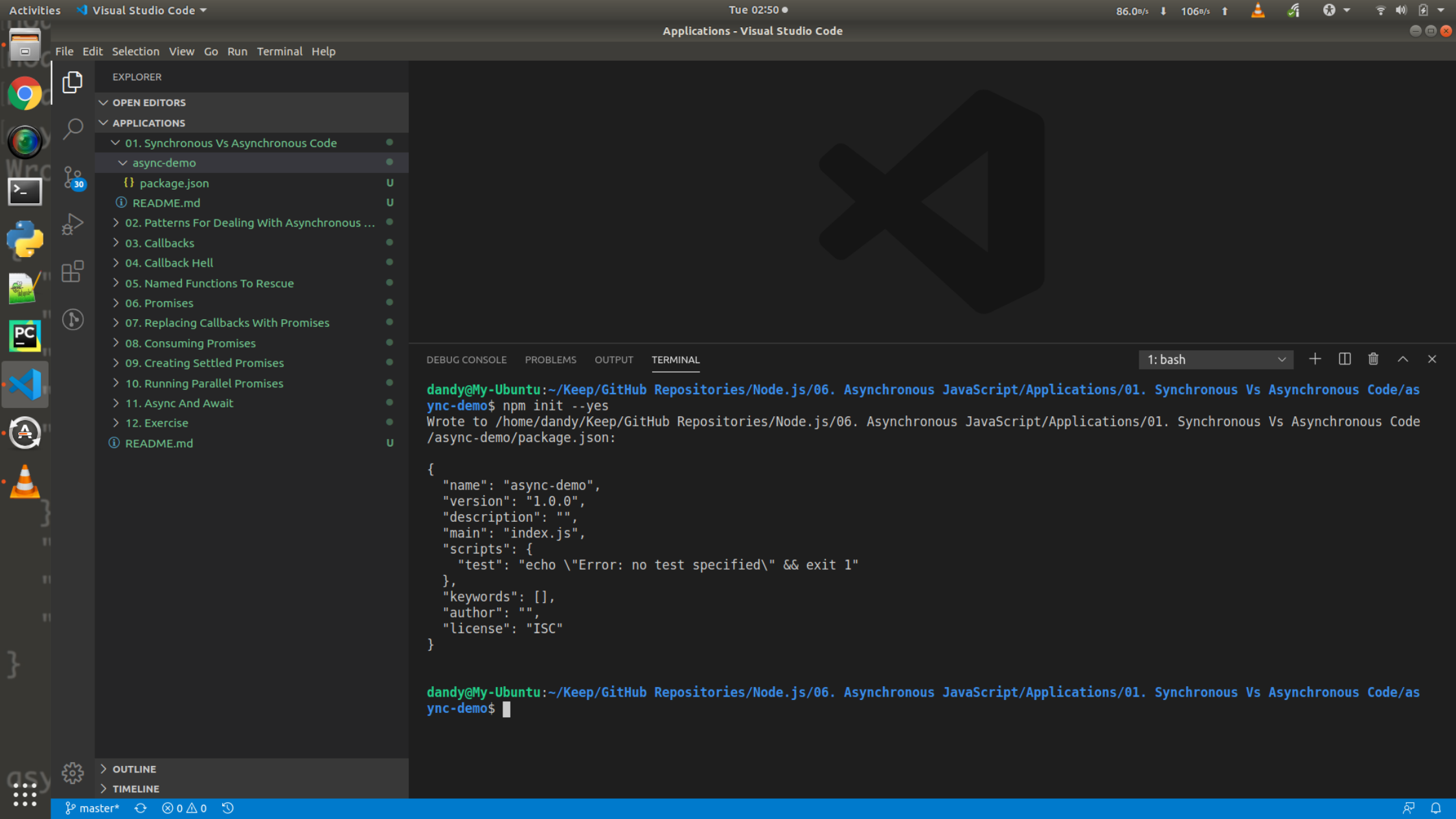


Asynchronous JavaScript








Activities

Visual Studio Code

index.js - Applications - Visual Studio Code

Tue 03:07

0B/s ↓ 0B/s ↑



File Edit Selection View Go Run Terminal Help

EXPLORER

OPEN EDITORS

APPLICATIONS

01. Synchronous Vs Asynchronous Code

async-demo

JS index.js

package.json

README.md

02. Patterns For Dealing With Asynchronous ...

03. Callbacks

04. Callback Hell

05. Named Functions To Rescue

06. Promises

07. Replacing Callbacks With Promises

08. Consuming Promises

09. Creating Settled Promises

10. Running Parallel Promises

11. Async And Await

12. Exercise

README.md

OUTLINE

TIMELINE

JS index.js

01. Synchronous Vs Asynchronous Code > async-demo > JS index.js > ...

```
1 console.log('Before');
2 // Synchronous or Blocking : Synchronous basically means that you can only execute one thing at a time.
3 // Asynchronous means that you can execute multiple things at a time
4 // and you don't have to finish executing the current thing in order to move on to next one.
5
6 setTimeout(() => { // Asynchronous
7   console.log('Reading a user from the database...');
8 }, 2000); // Wait of two seconds
9
10 console.log('After');
11
12 // Node. js is a single threaded language which in background uses multiple threads to execute asynchronous code.
13 // Node. js is non-blocking which means that all functions ( callbacks ) are delegated to the event loop
14 // and they are ( or can be ) executed by different threads.
```

DEBUG CONSOLE PROBLEMS OUTPUT TERMINAL

1: bash

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/06. Asynchronous JavaScript/Applications/01. Synchronous Vs Asynchronous Code/as
ync-demo$ nodemon index.js
[nodemon] 2.0.2
[nodemon] to restart at any time, enter `rs`
[nodemon] watching dir(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node index.js`
Before
After
Reading a user from the database...
[nodemon] clean exit - waiting for changes before restart
^C

nodemon update check failed
Try running with sudo or get access
to the local update config store via
sudo chown -R $USER:${id -gn $USER} /home/dandy/.config

dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/06. Asynchronous JavaScript/Applications/01. Synchronous Vs Asynchronous Code/as
ync-demo$
```

master* ↺ 0 0 0 ✓ javascript | ✓ index.js

Ln 14, Col 4 Spaces: 4 UTF-8 LF Babel JavaScript JavaScript Standard Style