

Welcome to Intro to Node Development

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You can reach this at:

<http://moxie.pro/node2017april>

Teach yourself programming in 10 years

<http://norvig.com/21-days.html>

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Course Software Setup

- **Let's** [Review this slideshow](#) on how to connect
 - **NOTE:** notice how to make your screen full size BEFORE logging in
 - Key takeaways: MAXIMIZE your host browser before logging in
- Go here: [Link to machine assignments](#)
 - Add your name and email
 - try to login following steps in slideshow

- Connect to <http://labs.protechtraining.com>
- Once you have connected successfully, update the connected column to Yes

Download Course Materials onto Remote machine

- can navigate to c:
- issue command

git clone <https://github.com/JudyLipinski/NodeJS-withPostgreSQL.git>

- cd Node - hit tab
code .

<http://studentmgmt.localtunnel.me/students>

Links to E-Slides

[Chapter 0](#)

[Chapter 0B overview fo JS](#)

[Chapter 1](#) Overview

[Chapter 2...](#)NPM

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[Chapter 4 Files](#)

[Chapter 5 Database](#)

[Chapter 6 Simple Server](#)

[Chapter 7 Express](#)

[Chapter 8 Session Management](#)

[Chapter 9 Validation, CSRF, Db relations](#)

[Chapter 10 Testing](#)

Notes during class

- Clustering in Node
 - Official Docs
 - https://nodejs.org/api/cluster.html#cluster_cluster

- <https://www.sitepoint.com/how-to-create-a-node-js-cluster-for-speeding-up-your-apps/>
- <https://strongloop.com/strongblog/production-node-js-strong-cluster-control/>

Express:

The completed lab is in exercise14/End/code folder

For each exercise you will need to do an **npm install**

For Exercises with DB stuff(6 and higher), you will need to do a [knex migrate:latest](#) (if you have Knex installed globally)
or ``./node_modules/.bin/knex migrate:latest`` (if not)

To start:

`nodemon server.js`

or `node server.js`

To get Ch08 Ex 7 to run...

use the password that is hard-coded into
users.js

recall to use:

`knex migrate:latest`

if you get a migration corrupted message:
drop all tables from Postgres using the
pgAdmin client

Links to Exercise Readme.md files in browser

- [Chapter 7 Exercise 1: Simple Express Server with routes](#)
- [Chapter 7 Exercise 2: Templating With Data](#)
- [Chapter 7 Exercise 4: Add Error Handling Middleware](#)
- [Chapter 8: Exercise 6: Basic Authentication](#)
- [Chapter 8: Exercise 7: Database Access from Express](#)
- [Chapter 8: Exercise8: UserManagementDB-Registration](#)
- [Chapter 8: Exercise9: User Management: Show LoggedIn Status](#)
- [Chapter 8: Exercise 10: Logging Out](#)
- [Chapter 9 Exercise 11: Input Validation](#)
- [Chapter 9: Exercise12: CSRFModifyLoginRegister](#)
- [Chapter 9: Exercise13: CRUD](#)
- [Chapter 9 Exercise 14: Database Relations](#)

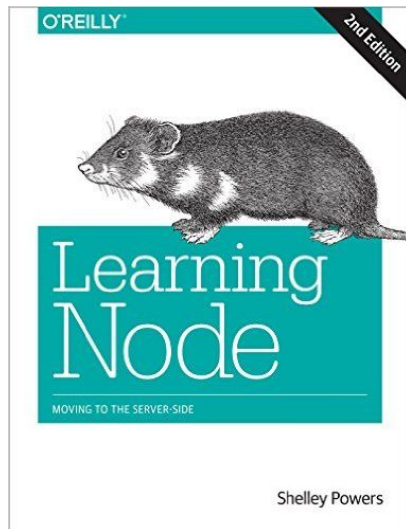
Resources

Pug Resources:

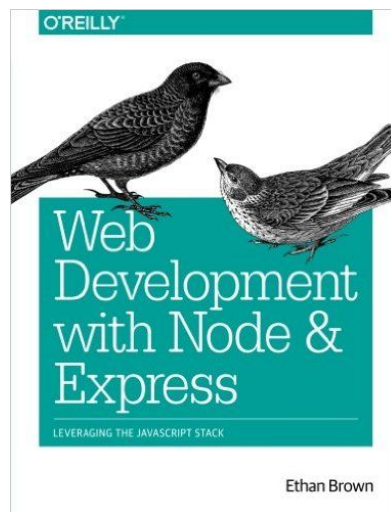
VS code <https://marketplace.visualstudio.com/items?itemName=mrmlnc.vscode-pugbeautify>

[Head First Design Patterns](#)

[some photoshop humor](#)



<http://amzn.to/2oPJEvE>



<http://amzn.to/2nK1i1X>

Overview of Node - good info	https://gist.github.com/joepie91/95ed77b71790442b7e61#optimization
you dont know node free video course	http://node.university/courses/enrolled/107814

Evidence that Cody Ocean loves Pink Floyd

<https://www.youtube.com/watch?v=9UDHxSGe6Fs>