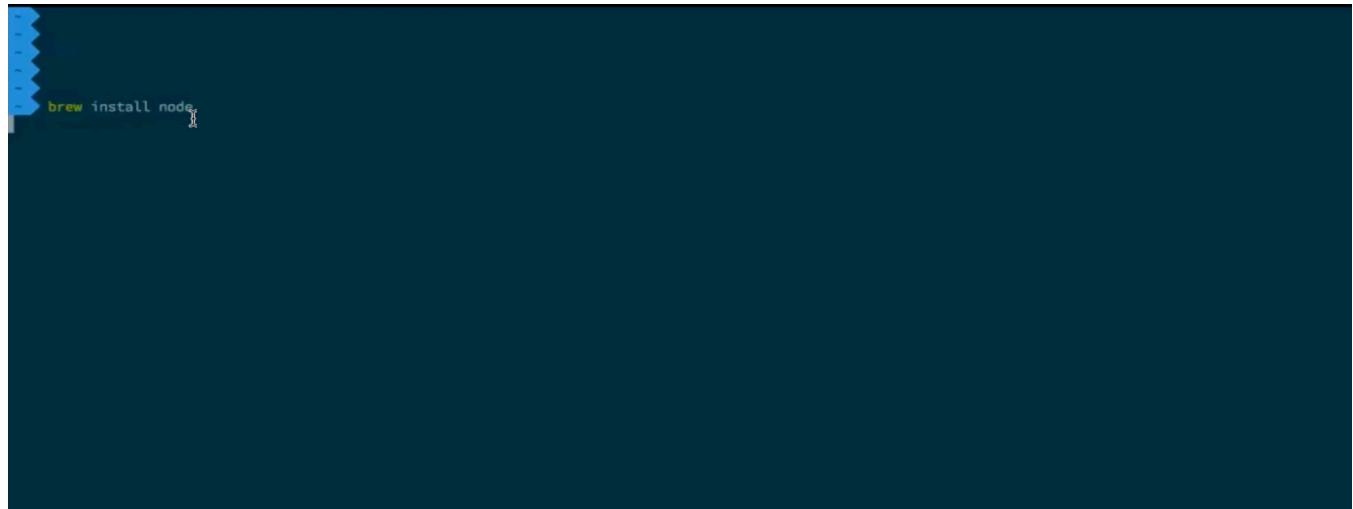


## P16 TRANSCRIPT - Node.js

### NODE.JS

00:27

I guess I would just first open my terminal and attempt to like brew install... it is that cheating?  
*opens the terminal and types “brew install node”* Yes I'll see if that works...



source: terminal

00:53

so far it's looking good...

01:40

Hm... a lot of tendencies are something going on, I don't know what's going on *gets confused by the amount of information*

```
==> Pouring luv--1.45.0-0.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/luv/1.45.0-0: 15 files, 845.6KB
==> Running `brew cleanup luv`...
Removing: /opt/homebrew/Cellar/luv/1.44.2-1... (15 files, 809.0KB)
==> Upgrading neovim
  0.8.3 -> 0.9.1

==> Installing dependencies for neovim: libvterm, luajit, msgpack and tree-sitter
==> Installing neovim dependency: libvterm
==> Pouring libvterm--0.3.2.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/libvterm/0.3.2: 12 files, 392.5KB
==> Installing neovim dependency: luajit
==> Pouring luajit--2.1.0-beta3-20230813.2.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/luajit/2.1.0-beta3-20230813.2: 57 files, 2.1MB
==> Installing neovim dependency: msgpack
==> Pouring msgpack--6.0.0.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/msgpack/6.0.0: 38 files, 220.4KB
==> Installing neovim dependency: tree-sitter
==> Pouring tree-sitter--0.20.8.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/tree-sitter/0.20.8: 18 files, 12.1MB
==> Installing neovim
==> Pouring neovim--0.9.1.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/neovim/0.9.1: 1,736 files, 25.7MB
==> Running `brew cleanup neovim`...
Removing: /opt/homebrew/Cellar/neovim/0.8.3... (1,674 files, 25.0MB)
==> Upgrading libevent
  2.1.12 -> 2.1.12_1

==> Pouring libevent--2.1.12_1.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/libevent/2.1.12_1: 57 files, 2.2MB
==> Running `brew cleanup libevent`...
Removing: /opt/homebrew/Cellar/libevent/2.1.12... (57 files, 2.1MB)
Removing: /Users/james/Library/Caches/Homebrew/libevent--2.1.12... (698.2KB)
==> Upgrading python@3.10
  3.10.11 -> 3.10.12_1

==> Installing dependencies for python@3.10: sqlite and xx
==> Installing python@3.10 dependency: sqlite
==> Pouring sqlite--3.42.0_1.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/sqlite/3.42.0_1: 11 files, 4.5MB
==> Installing python@3.10 dependency: xx
==> Pouring xx--5.4.4.arm64_monterey.bottle.tar.gz
  /opt/homebrew/Cellar/xz/5.4.4: 163 files, 2.6MB
==> Installing python@3.10
==> Pouring python@3.10--3.10.12_1.arm64_monterey.bottle.1.tar.gz
==> /opt/homebrew/Cellar/python@3.10/3.10.12_1/bin/python3.10 -Im ensurepip
```

source: terminal

01:55

**Observe:** What do you do? And you see this thing. So just ignore or do you read it?

02:00

Um, I would say that usually I don't pay attention to it unless I see something, a warning or error. Yeah. And then I guess at the end, we'll kind of scan the you know, the final bit to see if it's a success or failure.

02:31

Hm... okay, I'm not seeing any error messages. So I guess this the, we seem to have node installed Yeah.

```
Python has been installed as
`/opt/homebrew/bin/python3

Unversioned symlinks `python`, `python-config`, `pip` etc. pointing to
`python3`, `python3-config`, `pip3` etc., respectively, have been installed into
`/opt/homebrew/opt/python@3.11/libexec/bin

You can install Python packages with
`pip3 install <package>
They will install into the site-package directory
`/opt/homebrew/lib/python3.11/site-packages

tkinter is no longer included with this formula, but it is available separately:
`brew install python-tk@3.11

gdbm (`dbm.gnu`) is no longer included in this formula, but it is available separately:
`brew install python-gdbm@3.11
`dbm.ndbm` changed database backends in Homebrew Python 3.11.
If you need to read a database from a previous Homebrew Python created via `dbm.ndbm`,
you'll need to read your database using the older version of Homebrew Python and convert to another format.
`dbm` still defaults to `dbm.gnu` when it is installed.

For more information about Homebrew and Python, see: https://docs.brew.sh/Homebrew-and-Python
==> python@3.9
Python has been installed as
`/opt/homebrew/bin/python3.9

Unversioned and major-versioned symlinks `python`, `python3`, `python-config`, `python3-config`, `pip`, `pip3`, etc. pointing to
`python3.9`, `python3.9-config`, `pip3.9` etc., respectively, have been installed into
`/opt/homebrew/opt/python@3.9/libexec/bin

You can install Python packages with
`pip3.9 install <package>
They will install into the site-package directory
`/opt/homebrew/lib/python3.9/site-packages

tkinter is no longer included with this formula, but it is available separately:
`brew install python-tk@3.9

If you do not need a specific version of Python, and always want Homebrew's `python3` in your PATH:
`brew install python

See: https://docs.brew.sh/Homebrew-and-Python
==> tmux
Example configuration has been installed to:
`/opt/homebrew/opt/tmux/share/tmux`
```

source: terminal

03:01

**Observer:** Did you have any challenges during the installation?

03:07

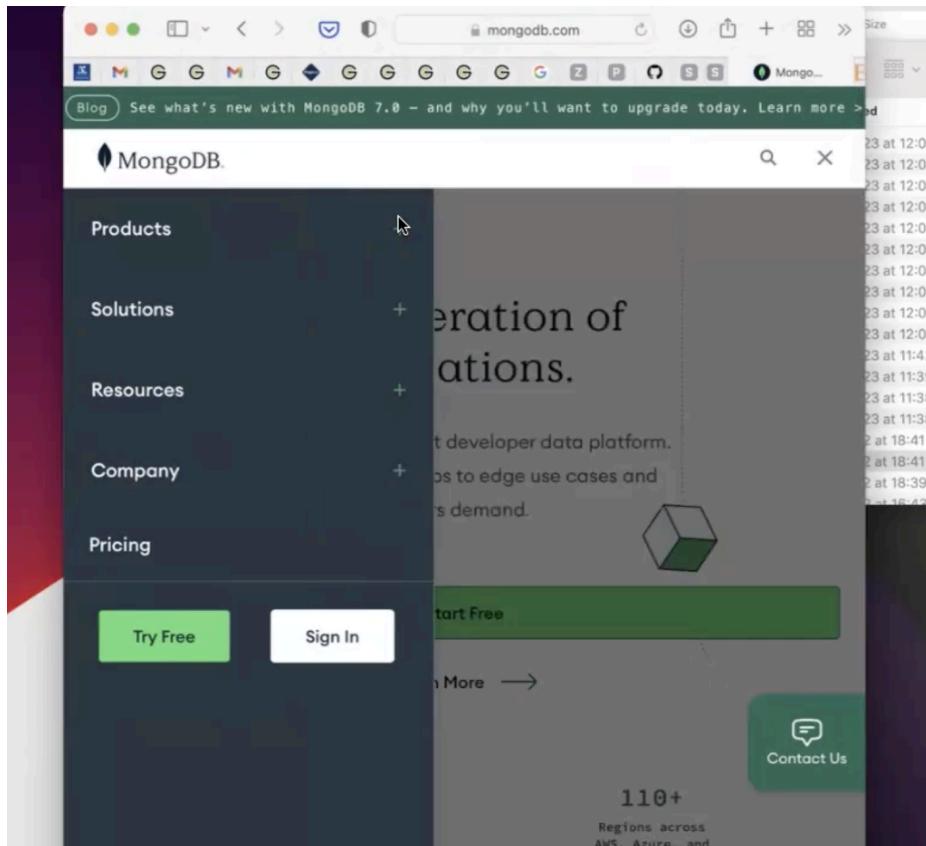
Um, no, that was very straightforward, I guess. Yeah.

---

## MONGODB

03:43

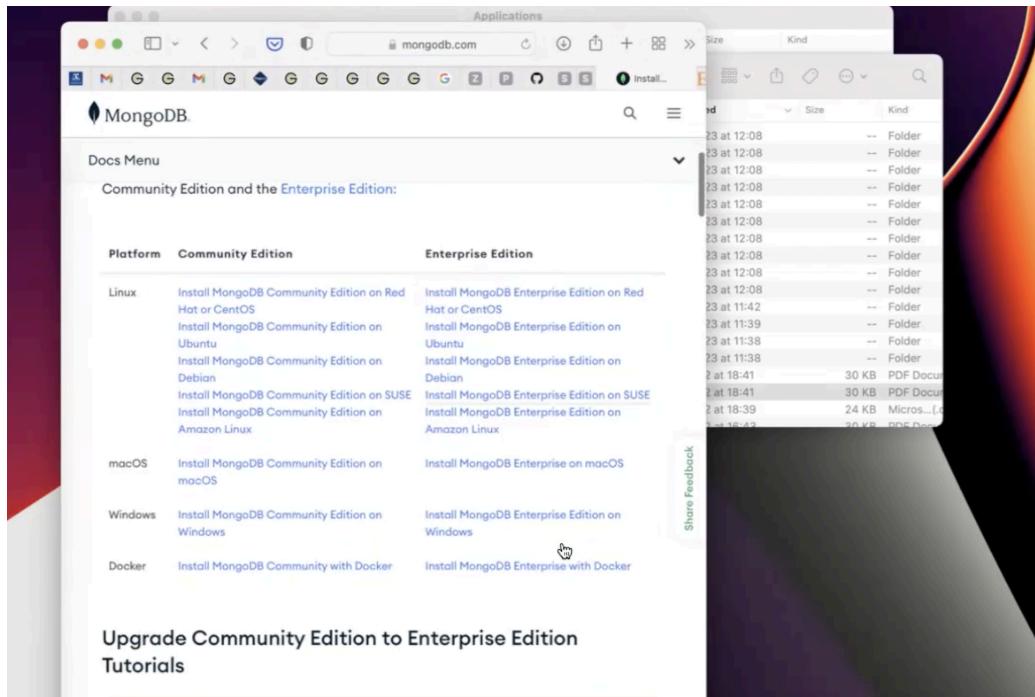
So I might, like search up the install process... The problem I don't use this laptop at the moment because I'm home all the time. So I'm on my PC. So I like and this is my first MacBook so I like... *searched for mongodb on the safari tab, clicks on the official website*



source: <https://www.mongodb.com/>

05:14

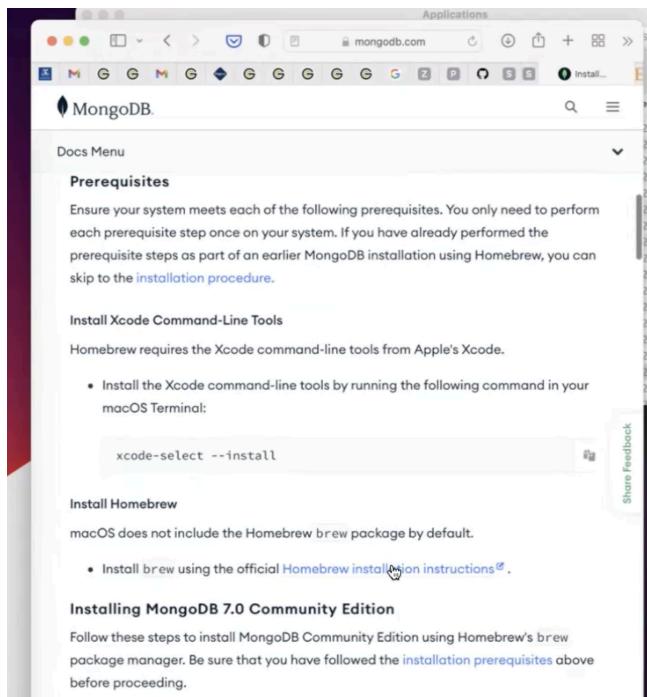
**website doesn't show a straightforward way to install the application** Hm... maybe I'll just move on to... **goes back to the safari homepage and types "mongodb install". Goes to the official website again** The different server editions...



source: <https://www.mongodb.com/docs/manual/installation/>

05:22

I'm going to install this one... *clicks on the macos community edition option* Okay... *finds the installation instructions a bit strange*



source:<https://www.mongodb.com/docs/manual/tutorial/install-mongodb-on-os-x/>

***follows the instructions from the website***

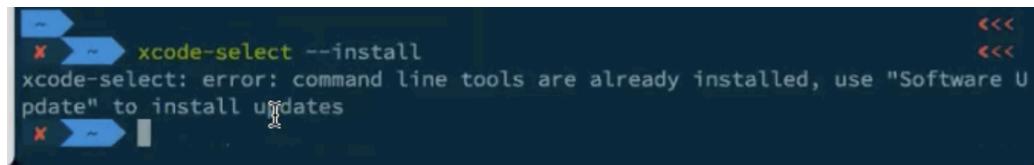
05:49

**Observer:** when you search for installation instructions you usually go for the official website or...?

05:56

I would first go to the official website yep

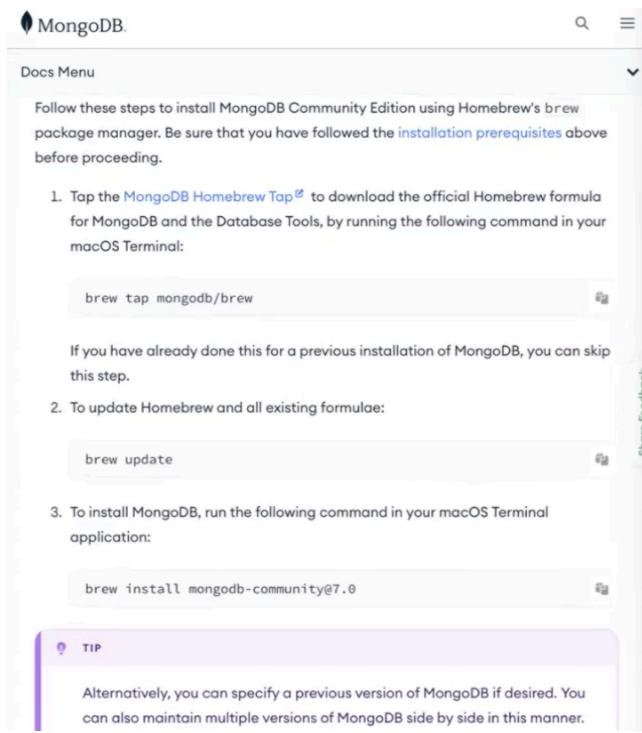
***copies the command “xcode-select –install” on the terminal and gets an error message***



```
xcode-select --install
xcode-select: error: command line tools are already installed, use "Software Update" to install updates
```

06:19

Okay, yes, that means it's already installed(?)



MongoDB

Docs Menu

Follow these steps to install MongoDB Community Edition using Homebrew's brew package manager. Be sure that you have followed the [installation prerequisites](#) above before proceeding.

1. Tap the [MongoDB Homebrew Tap](#) to download the official Homebrew formula for MongoDB and the Database Tools, by running the following command in your macOS Terminal:  
`brew tap mongodb/brew`
2. To update Homebrew and all existing formulae:  
`brew update`
3. To install MongoDB, run the following command in your macOS Terminal application:  
`brew install mongodb-community@7.0`

**TIP**  
Alternatively, you can specify a previous version of MongoDB if desired. You can also maintain multiple versions of MongoDB side by side in this manner.

Oh no, this prerequisite... mongodb does not include Homebrew... Yep, so brew and then...  
***run “brew tap mongodb/brew”***

06:49

Looks like it worked... *proceeds following instructions from the website. runs the next command “brew update” and then “brew install mongodb”*

07:09

It's looking good so far... *reads through the installation instructions page* I don't think I need a lot of information... *referring to the terminal output*

```
james@192-168-1-128:~  
If that doesn't show you any updates, run:  
  sudo rm -rf /Library/Developer/CommandLineTools  
  sudo xcode-select --install  
  
Alternatively, manually download them from:  
  https://developer.apple.com/download/all/.  
You should download the Command Line Tools for Xcode 14.2.  
  
==> Installing dependencies for mongodb/brew/mongodb-community: mongodb/brew/mongodb-database-tools, node@16 and mongosh  
==> Installing mongodb/brew/mongodb-community dependency: mongodb/brew/mongosh  
Warning: A newer Command Line Tools release is available.  
Update them from Software Update in System Preferences.  
  
If that doesn't show you any updates, run:  
  sudo rm -rf /Library/Developer/CommandLineTools  
  sudo xcode-select --install  
  
Alternatively, manually download them from:  
  https://developer.apple.com/download/all/.  
You should download the Command Line Tools for Xcode 14.2.  
  
↳ /opt/homebrew/Cellar/mongodb-database-tools/100.8.0: 13 files, 111.9MB, built in 3 seconds  
==> Installing mongodb/brew/mongodb-community dependency: node@16  
==> Pouring node@16--16.20.2.arm64_monterey.bottle.tar.gz  
↳ /opt/homebrew/Cellar/node@16/16.20.2: 1,890 files, 47.5MB  
==> Installing mongodb/brew/mongodb-community dependency: mongosh  
==> Pouring mongosh--1.18.5.arm64_monterey.bottle.tar.gz  
↳ /opt/homebrew/Cellar/mongosh/1.10.5: 10,220 files, 91.7MB  
==> Installing mongodb/brew/mongodb-community  
==> Caveats  
To start mongodb/brew/mongodb-community now and restart at login:  
  brew services start mongodb/brew/mongodb-community  
==> Summary  
↳ /opt/homebrew/Cellar/mongodb-community/7.0.0: 11 files, 265.7MB, built in 3 seconds  
==> Running `brew cleanup mongodb-community`...  
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.  
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).  
==> Caveats  
==> mongodb-community  
To start mongodb/brew/mongodb-community now and restart at login:  
  brew services start mongodb/brew/mongodb-community  
→ |
```

---

## FLUTTER

*Opens a safari tab and types “flutter install”. Then, he clicks on the first suggestion from google (official website)*

To install and run Flutter, your development environment must meet these minimum requirements:

- **Operating Systems:** macOS, version 10.14 (Mojave) or later.
- **Disk Space:** 2.8 GB (does not include disk space for IDE/tools).
- **Tools:** Flutter uses git for installation and upgrade. We recommend installing Xcode, which includes git, but you can also install git separately.

**Important:** If you're installing on an Apple Silicon Mac, you must have the Rosetta translation environment available for some ancillary tools. You can install this manually by running:

```
$ sudo softwareupdate --install-rosetta --agree-to-license
```

## # Get the Flutter SDK

**Important:** If you're in China, read [Using Flutter in China](#).

1. Download the following installation bundle to get the latest stable release of the Flutter SDK:

source: <https://docs.flutter.dev/get-started/install/macos>

**reads instructions and follow the installation steps**

09:33

Okay, downloading... **while the file downloads he reads the installation instructions** Add flutter to the path!? So this is just... Nah I can't

Flutter

Flutter SDK

Intel Apple Silicon

[flutter\\_macos\\_3.13.1-stable.zip](#) [flutter\\_macos\\_arm64\\_3.13.1-stable.zip](#)

For other release channels, and older builds, check out the [SDK archive](#).

**Tip:** To determine whether your Mac uses an Apple silicon processor, refer to [Mac computers with Apple silicon](#) on apple.com

2. Extract the file in the desired location. For example:

```
$ cd ~/development  
$ unzip ~/Downloads/flutter_macos_arm64_3.13.1-stable.zip
```

3. Add the flutter tool to your path:

```
$ export PATH="$PATH:~/development/flutter/bin"
```

This command sets your PATH variable for the *current* terminal window only. To permanently add Flutter to your path, check out [Update your path](#).

You are now ready to run Flutter commands!

**Note:** To update an existing version of Flutter, check out [Upgrading Flutter](#).

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source: <https://docs.flutter.dev/get-started/install/macos>

***proceeds with the instructions***

10:45

I feel like it's most common to just get the zip file for installing things

11:31

Okay, good. Okay. Looks installed

---

11:46

**Observer:** Did you face any challenges during the session?

11:53

Um, I guess. Yeah, Well, there was only that issue with the like, the Xcode tools are installed that gave an error that I was like, vaguely unexpected, but then it was just the tool is installed. So that's okay.

12:10

**Observer:** What did you do to overcome this challenge?

12:14

Um, it was just, I guess reading the, the error message?

12:22

**Observer:** what challenges have you faced installing tools in the past?

12:29

um, I think sometimes you install tool and like, if the instructions are incomplete, you might it might not say something like, add it to the path. And so you, you then like, haven't, you've haven't added done that step. And then when you go to use the tool, it's not there because it's not on the path. Or I think sometimes it's installed tools, and you kind of ended up in, like income with incompatible versions of software. And I can't like think of a specific example where that's happened, but I know that it has this. Yeah. Yeah, there's, I think those are the main things.

13:21

**Observer:** And so you said things that documentation from the official website is useful, or you usually have to, like go to Stack Overflow, any sort of...?

13:38

I'm sorry. So the documentation from the website of the tool? Yes. useful. Um, I think you Yeah, in. In, in most cases. It's enough. Yeah, I think Yeah. I would only end up on Stack Overflow when something has gone wrong. Yeah, that's the only times that I can think that's happened.