



Bachelor of Science in Computer Science (English Program)

School of Information Technology

King Mongkut's University of Technology Thonburi

CSC105 Web Application Development (2/2022)

# Installation Guide

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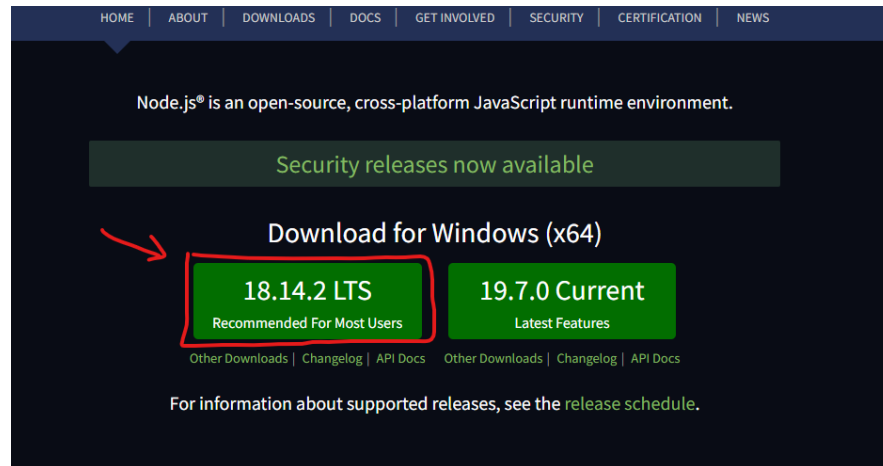
# NodeJS

## Windows

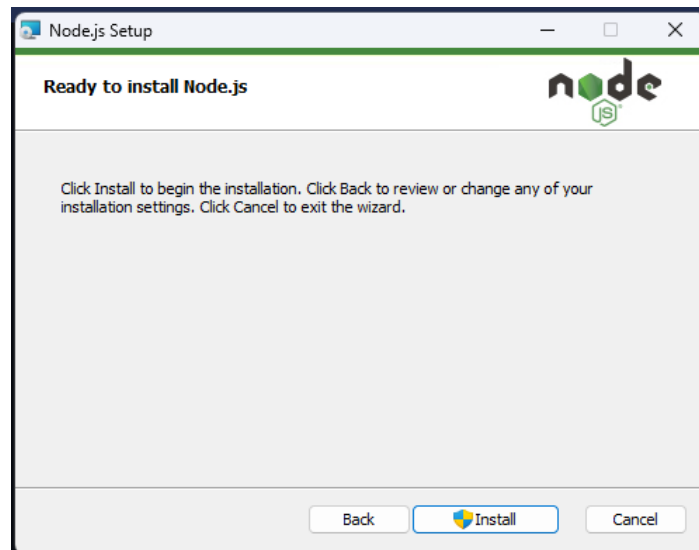
1. Go to Nodejs website [Node.js \(nodejs.org\)](https://nodejs.org)

2. Click on 18.14.2 LTS or the LTS version

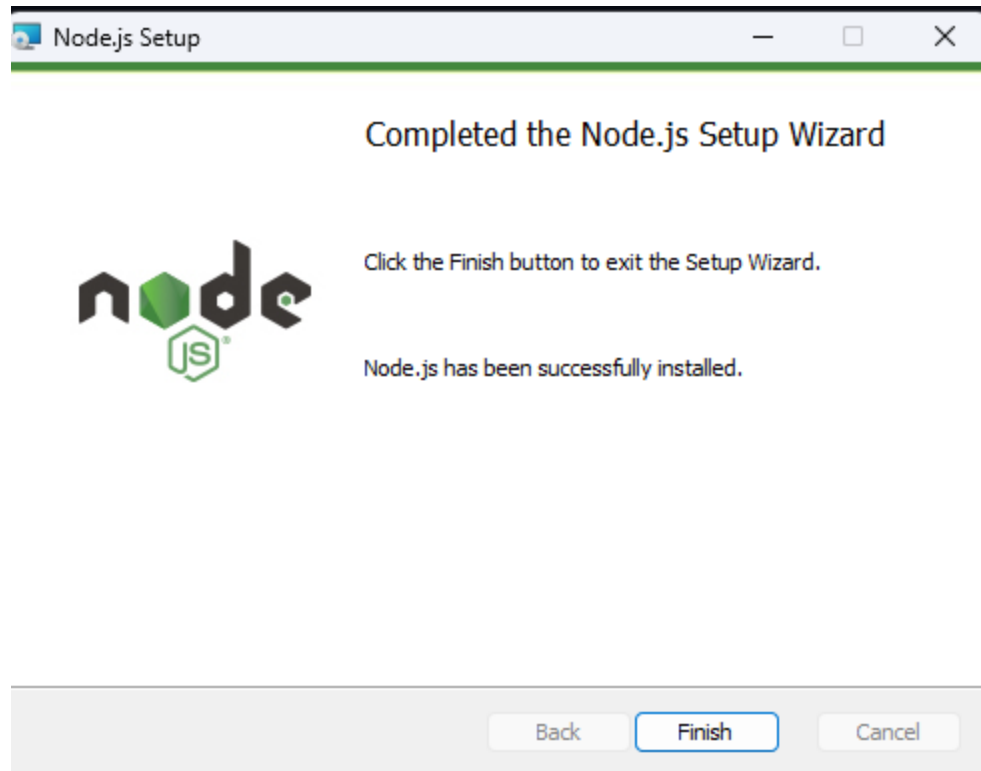
Noted: LTS stands for “Long Term Support”. It means that this version is more stable.



3. Open the downloaded file. It will pop you to click with a few next buttons. In this class, the default setting is enough so you can click “next” until it shows you the install button.



4. You can click install and wait for installation to be finished. This might take a few minutes.



5. After you see the completed window. You can check if Nodejs is already installed by opening the terminal and type "node -v" and "npm -v". They should respond back to you with some number.  
If there is an error, restarting your Terminal or Windows might help.

```
PS C:\Users\thist> node -v
v18.14.2
PS C:\Users\thist> npm -v
9.5.0
PS C:\Users\thist> |
```

## Mac or Linux

Installing Nodejs on Mac or Linux might be a little complicated but using Homebrew might help your life get better.

To install Homebrew.

1. Type this in your terminal

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

```
thistine@thistine:~$ /bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
==> Checking for 'sudo' access (which may request your password)...
[sudo] password for thistine:
==> This script will install:
/home/linuxbrew/.linuxbrew/bin/brew
/home/linuxbrew/.linuxbrew/share/doc/homebrew
/home/linuxbrew/.linuxbrew/share/man/man1/brew.1
/home/linuxbrew/.linuxbrew/share/zsh/site-functions/_brew
/home/linuxbrew/.linuxbrew/etc/bash_completion.d/brew
/home/linuxbrew/.linuxbrew/Homebrew
==> The following new directories will be created:
/home/linuxbrew/.linuxbrew/bin
/home/linuxbrew/.linuxbrew/etc
/home/linuxbrew/.linuxbrew/include
/home/linuxbrew/.linuxbrew/lib
/home/linuxbrew/.linuxbrew/sbin
/home/linuxbrew/.linuxbrew/share
/home/linuxbrew/.linuxbrew/var
/home/linuxbrew/.linuxbrew/opt
/home/linuxbrew/.linuxbrew/share/zsh
/home/linuxbrew/.linuxbrew/share/zsh/site-functions
/home/linuxbrew/.linuxbrew/var/homebrew
/home/linuxbrew/.linuxbrew/var/homebrew/linked
/home/linuxbrew/.linuxbrew/Cellar
/home/linuxbrew/.linuxbrew/Caskroom
/home/linuxbrew/.linuxbrew/Frameworks
```

2. After successfully installed. Please Run the suggested commands in the next step section.

Noted: The command will be different depend on OS and Path.

```
==> Next steps:
- Run these two commands in your terminal to add Homebrew to your PATH:
  (echo; echo 'eval "$(/home/linuxbrew/.linuxbrew/bin/brew shellenv)"') >> /home/thistine/.profile
  eval "$(/home/linuxbrew/.linuxbrew/bin/brew shellenv)"
- Install Homebrew's dependencies if you have sudo access:
  sudo apt-get install build-essential
For more information, see:
  https://docs.brew.sh/Homebrew-on-Linux
- We recommend that you install GCC:
  brew install gcc
- Run brew help to get started
- Further documentation:
  https://docs.brew.sh
```

To install nodejs,

1. It's a lot easier than windows. All you need is this command.

```
brew install node@18
```

2. There might be a suggestion commands to run ( differs by OS type or PATH )

```
==> node@18
node@18 is keg-only, which means it was not symlinked into /home/linuxbrew/.linuxbrew,
because this is an alternate version of another formula.

If you need to have node@18 first in your PATH, run:
❌ echo 'export PATH="/home/linuxbrew/.linuxbrew/opt/node@18/bin:$PATH"' >> ~/.profile

For compilers to find node@18 you may need to set:
❌ export LDFLAGS="-L/home/linuxbrew/.linuxbrew/opt/node@18/lib"
❌ export CPPFLAGS="-I/home/linuxbrew/.linuxbrew/opt/node@18/include"
```

3. You can check if Nodejs is already installed by opening the terminal and type “node -v” and “npm -v”. They should respond back to you with some number. If there is an error, restarting your Terminal or Machine might help.

```
thistine@thistine:~$ node -v
v18.14.2
thistine@thistine:~$ npm -v
9.5.0
```

# VScode

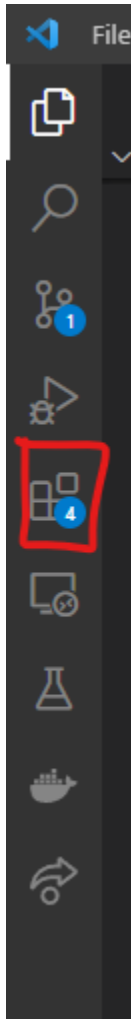
You can download Visual Studio Code from this url [Visual Studio Code - Code Editing. Redefined](#)

Once you downloaded, just install it and keep the default settings.

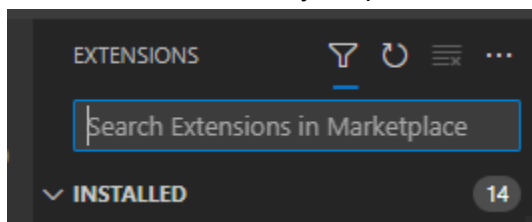
Vscode extensions:

Vscode extensions helps you code more effectively.

To get a VsCode Extension: go to extension tabs.



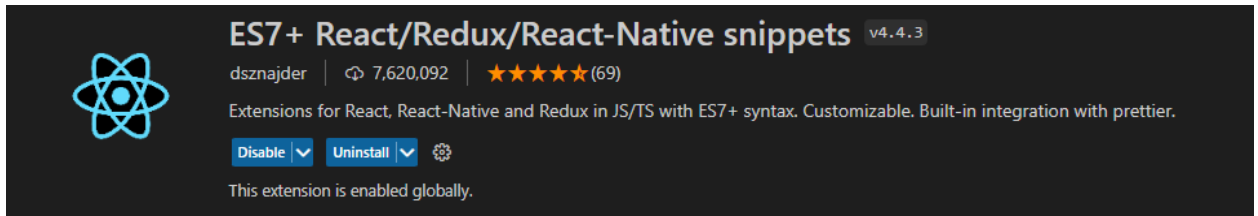
You can search to find your perfect extensions.



Here are my recommend extensions for this class

## ES7+ React/Redux/React-Native snippets

An extension that will help you start code for react components and more.



**ES7+ React/Redux/React-Native snippets** v4.4.3

dsznajder | 7,620,092 | ★★★★★ (69)

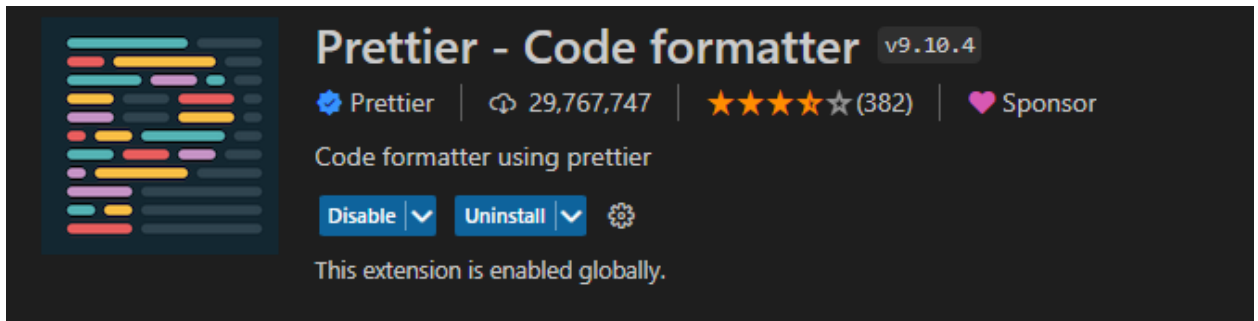
Extensions for React, React-Native and Redux in JS/TS with ES7+ syntax. Customizable. Built-in integration with prettier.

[Disable](#) [Uninstall](#) ⚙️

This extension is enabled globally.

## Prettier - Code formatter

An extension that will help you organize your code.



**Prettier - Code formatter** v9.10.4

🔖 Prettier | 29,767,747 | ★★★★★☆ (382) | ❤️ Sponsor

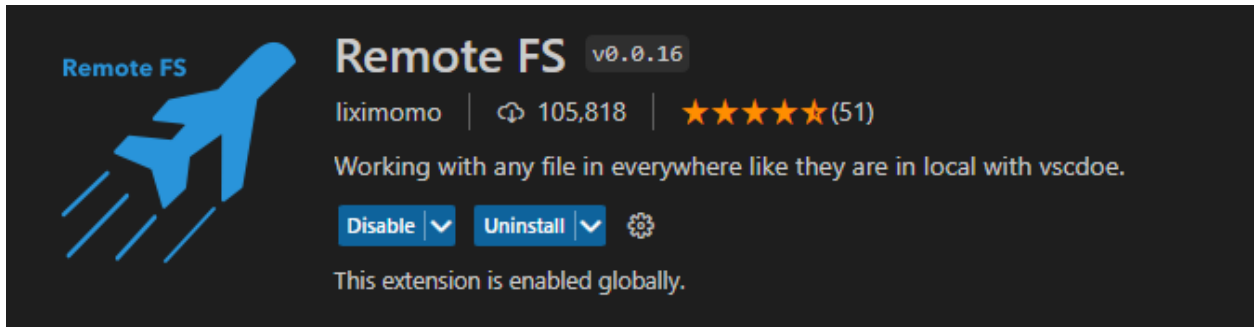
Code formatter using prettier

[Disable](#) [Uninstall](#) ⚙️

This extension is enabled globally.

## Remote FS

An extension that lets you remote to another computer and work just like you are on that PC !



**Remote FS** v0.0.16

liximomo | 105,818 | ★★★★★ (51)

Working with any file in everywhere like they are in local with vscode.

[Disable](#) [Uninstall](#) ⚙️

This extension is enabled globally.



# SQLECTRON-GUI

This program will let you communicate with SQL databases.

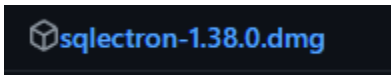
[Releases · sqlectron/sqlectron-gui \(github.com\)](https://github.com/sqlectron/sqlectron-gui)

Please download the right version for your OS.

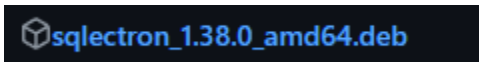
Windows



Mac



Linux (Ubuntu)



The installation is very easy. Just run the downloaded file and done !

## Termius

Termius is a program that will let you connect to other remote servers easily !

**Windows:**

[Free SSH client for Windows \(termius.com\)](https://termius.com)

**Mac OSX:**

[Free SSH client for Mac OSX \(termius.com\)](https://termius.com)

**Linux**

[Free SSH client for Linux \(termius.com\)](https://termius.com)

There is no option to select in the installation step. Just click the downloaded file and run !