

3416-003 Web Development Using Angular 8 and TypeScript Module 1: Software to download



Module 1: Section 1

What Is This Course About



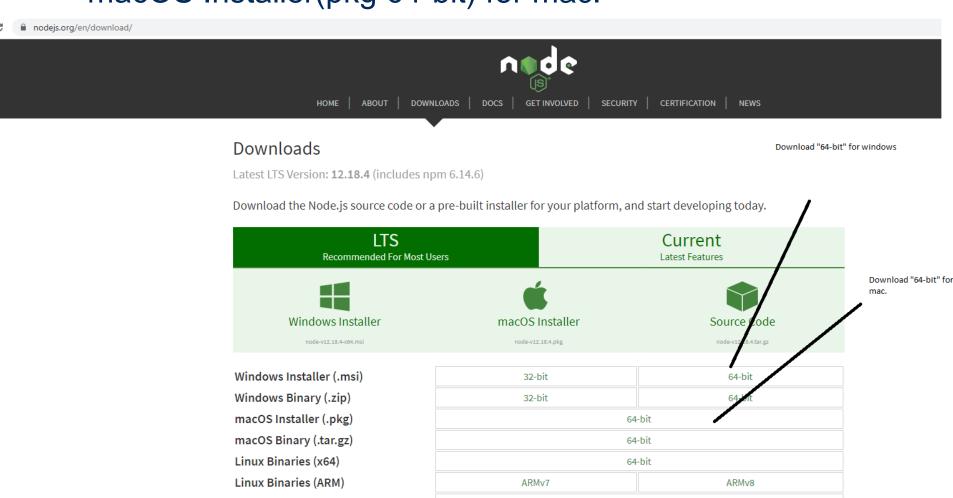
Learning Outcomes for this Module

- Download NodeJS
- Download Microsoft Visual Studio Code



Node.js

- https://nodejs.org/en/download/
- Download "64-bit Windows Installer(msi) for windows" and "macOS Installer(pkg 64-bit) for mac.

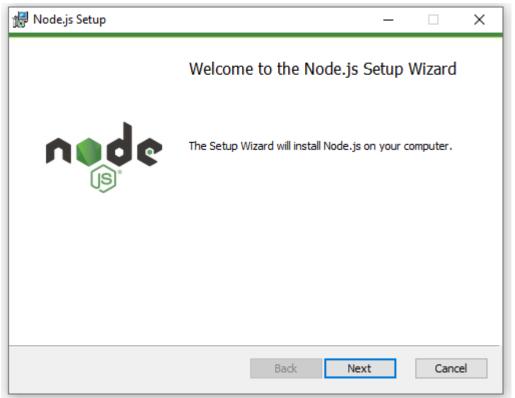


For windows user, double click msi file:

Click ".msi" file for windows

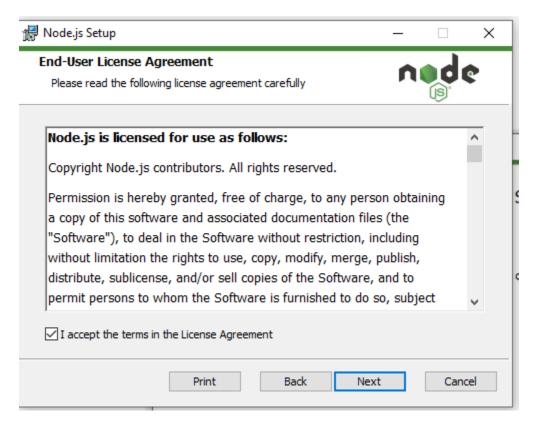


Click "Next".





 Click "I accept the terms in License Agreement" and Click "Next".



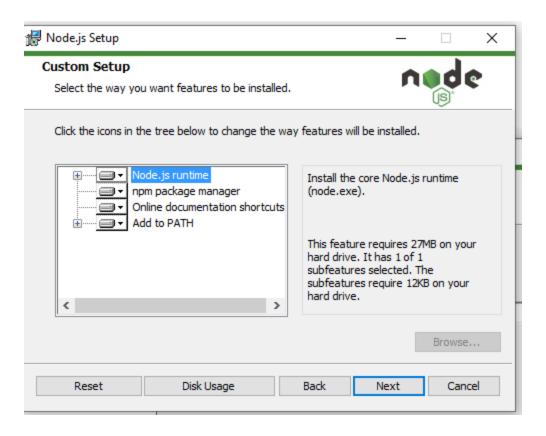


• Click "Next".

I			
₩ Node.js Setup	_		×
Destination Folder Choose a custom location or click Next to install.	٢	nod	¢
Install Node.js to:			
C:\Program Files\nodejs\ Change			
Back Ne:	xt	Can	cel
Back Ne.	xt	Can	cei

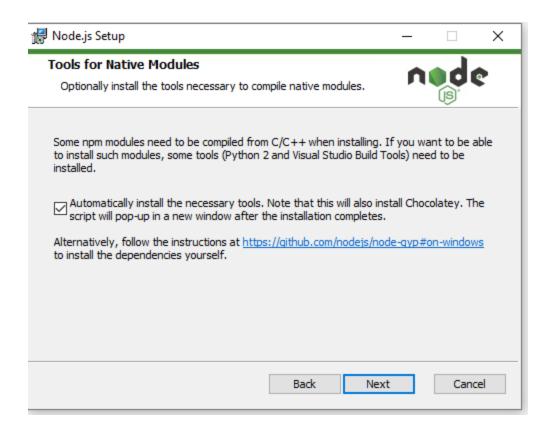


Click "Next".



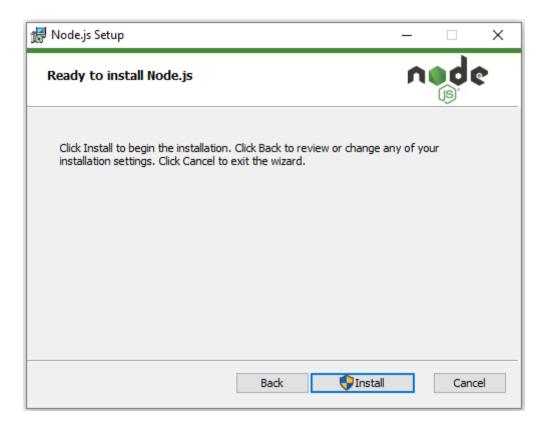


- Click "Automatically installed the necessary tools".
- Click "Next".

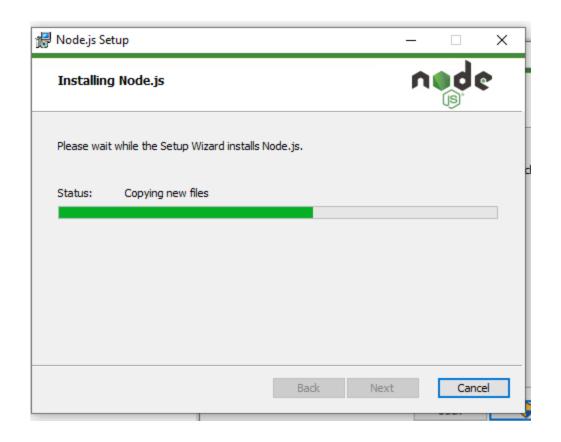




Click "Install".

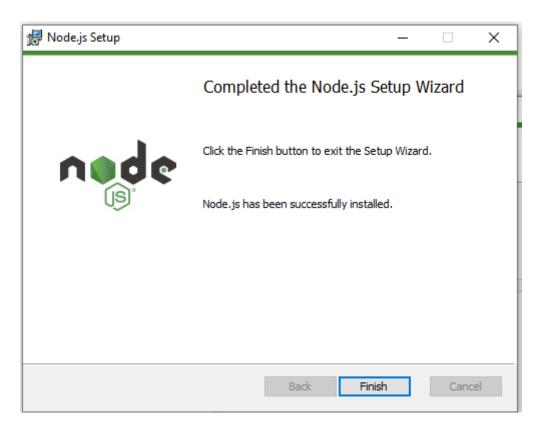






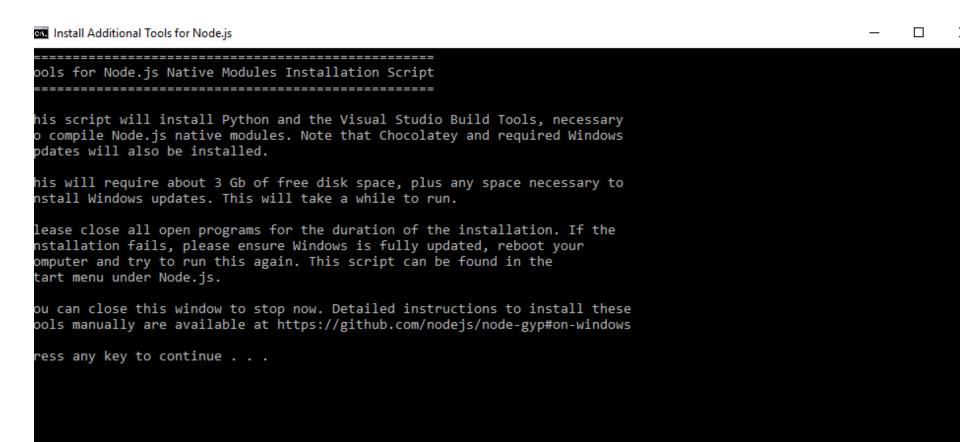


Click Finish.

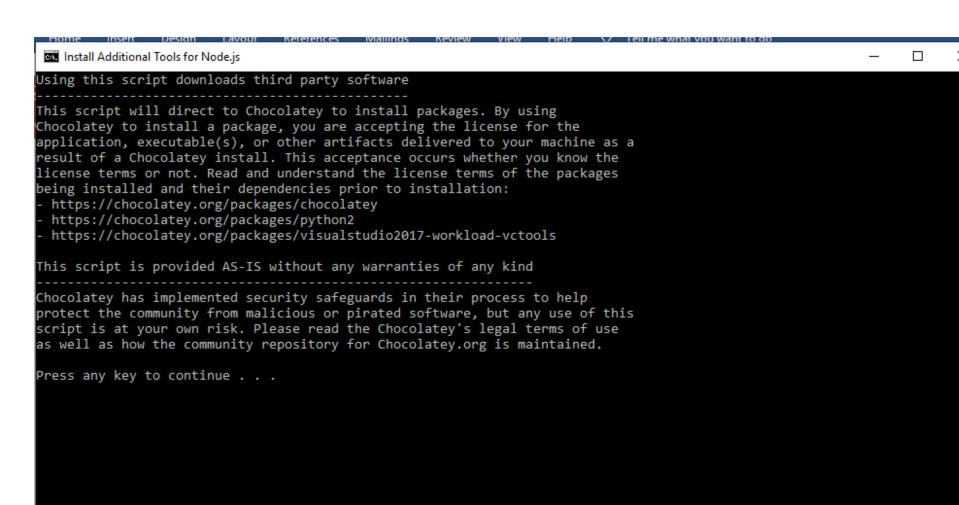




Press space-bar.



Press space-bar.



Should see this:

```
Getting latest version of the Chocolatey package for download.

Getting Chocolatey from https://chocolatey.org/api/v2/package/chocolatey/0.10.15.

Downloading 7-Zip commandline tool prior to extraction.

Extracting C:\Users\tuyet\AppData\Local\Temp\chocolatey\chocInstall\chocolatey.zip to C:\Users\tuyet\AppData\Local\Temp\
chocolatey\chocInstall...
 Installing chocolatey on this machine
 Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
   before you can use choco.
 Restricting write permissions to Administrators
kestricting write permissions to Administrators
we are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
    (i.e. C:\ProgramData\chocolatey\lib\yourPackageName).
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'
    and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
 Creating Chocolatey folders if they do not already exist.
 WARNING: You can safely ignore errors related to missing log files when upgrading from a version of Chocolatey less than 0.9.9.
'Batch file could not be found' is also safe to ignore.
'The system cannot find the file specified' - also safe.
The system camber that the first page of the characteristic chocolatey nupkg file not installed in lib.

Attempting to locate it from bootstrapper.

PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
   ARNING: Not setting tab completion: Profile file does not exist at ::\Users\tuyet\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.psl'.
Chocolatey (choco.exe) is now ready.

You can call choco from anywhere, command line or powershell by typing choco.
 Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
 first prior to using choco.
 Ensuring chocolatey commands are on the path
Ensuring chocolatey.nupkg is in the lib folder
 Upgrading the following packages:
 By upgrading you accept licenses for the packages.
 Progress: Downloading python2 2.7.17... 100%
Progress: Downloading python2 2.7.17... 100%
python2 v2.7.17 [Approved]
python2 package files upgrade completed. Performing other installation steps.
Installing 64-bit python2...
```



 If don't see previous screen, go to url:https://github.com/nodejs/node-gyp#on-windows



Install Angular CLI

- The following command:
- npm install -g @angular/cli@8.3.19
- mac user:
- The following command:
- Command:sudo npm install -g @angular/cli@8.3.19



Install Angular CLI

- The following command:
- npm install -g @angular/cli@8.3.19

```
Microsoft Windows [Version 10.0.18362.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\synpm install -g @angular/cli@8.3.19
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
npm WARN deprecated har-validator@5.1.5: this library is no longer supported

C:\Users\jadei\AppData\Roaming\npm\node_modules\@angular\cli\bin\ng

> @angular/cli@8.3.19 postinstall C:\Users\jadei\AppData\Roaming\npm\node_modules\@angular\cli

> node ./bin/postinstall/script.js

7 Would you like to share anonymous usage data with the Angular Team at Google under Google's Privacy Policy at https://policies.google.com/privacy? For more details and how to change this setting, see http://angular.io/analytics. No

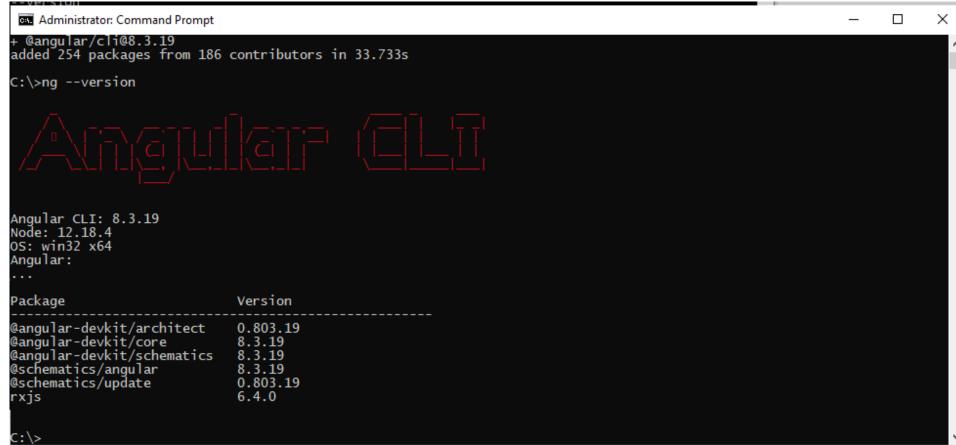
+ @angular/cli@8.3.19
added 254 packages from 186 contributors in 33.733s

C:\>
```



Install Angular CLI

- Check version of CLI:
- Command:ng --version





Uninstall existing Angular CLI

- If have cli already do the following:
- ->npm uninstall -g @angular/cli
- ->npm cache clean
- ->npm install -g @angular/cli@latest



Install Typescript

npm install <u>typescript@3.5.3</u> -g

```
Administrator: Command Prompt
                                                                                                                                                                 Angular CLI: 8.3.19
Node: 12.18.4
OS: win32 x64
Angular:
Package
                                         Version
@angular-devkit/architect
                                         0.803.19
@angular-devkit/core
@angular-devkit/schematics
                                         8.3.19
                                         8.3.19
@schematics/angular
                                         8.3.19
@schematics/update
                                         0.803.19
                                         6.4.0
rxjs
C:\>npm install typescript@3.5.3 -g
C:\Users\jadei\AppData\Roaming\npm\tsc -> C:\Users\jadei\AppData\Roaming\npm\node_modules\typescript\bin\tsc
C:\Users\jadei\AppData\Roaming\npm\tsserver -> C:\Users\jadei\AppData\Roaming\npm\node_modules\typescript\bin\tsserver
+ typescript@3.5.3
added 1 package from 1 contributor in 6.116s
```



Check type of Typescript

- Command to check version of typescript installed:
- Command:tsc -v

```
C:\>npm install typescript@3.5.3 -g
C:\Dsers\jadei\AppData\Roaming\npm\tsc -> C:\Users\jadei\AppData\Roaming\npm\node_modules\typescript\bin\tsc
C:\Users\jadei\AppData\Roaming\npm\tsserver -> C:\Users\jadei\AppData\Roaming\npm\node_modules\typescript\bin\tsserver
+ typescript@3.5.3
added 1 package from 1 contributor in 6.116s

C:\>tsc -v
Version 3.5.3
```



Uninstall existing typescript

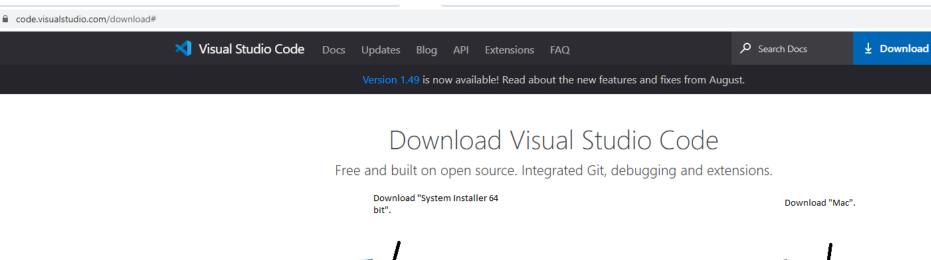
- If have existing type can uninstall:
- Command:npm uninstall typescript -g

```
Administrator: Command Prompt
                                                                                                                         \times
Node: 10.15.3
OS: win32 x64
Angular:
Package
                             Version
@angular-devkit/architect 0.13.6
@angular-devkit/core
                             7.3.6
@angular-devkit/schematics 7.3.6
@schematics/angular
                             7.3.6
@schematics/update
                             0.13.6
                             6.3.3
rxjs
typescript
                             3.2.4
C:\>npm --version
6.4.1
C:\>tsc -v
Version 2.6.2
C:\>npm uninstall typescript -g
removed 1 package in 0.115s
'tsc' is not recognized as an internal or external command,
operable program or batch file.
```

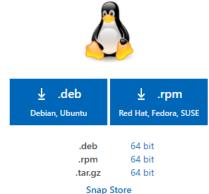


- Download Microsoft Visual Studio Code:
- https://code.visualstudio.com/download
- Download 64 bit system installer:
- The basic differences user version vs system version between the two is that the system version installs on the file system like every other app. The user install is basically a click-once (or web installer) version that installs in the User folder of the machine.
- The settings made to VS Code in the system version save for Everybody on the computer and the user version the settings are only for the user





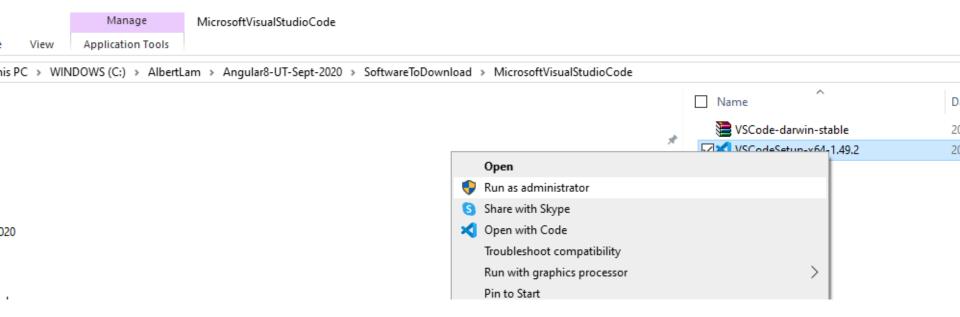






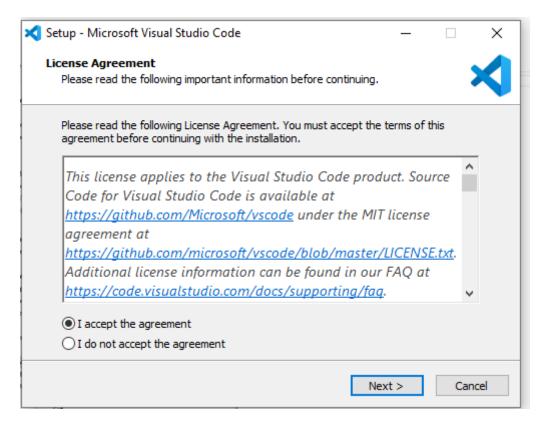


 Right click VSCodeSetup-x64-1.49.2 file and choose "run as administrator":



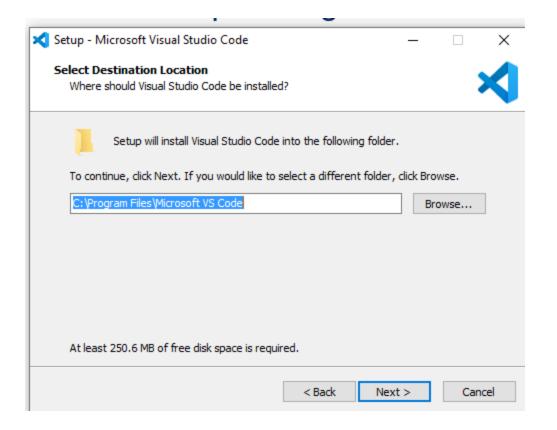


Click I accept the agreement and click "Next":



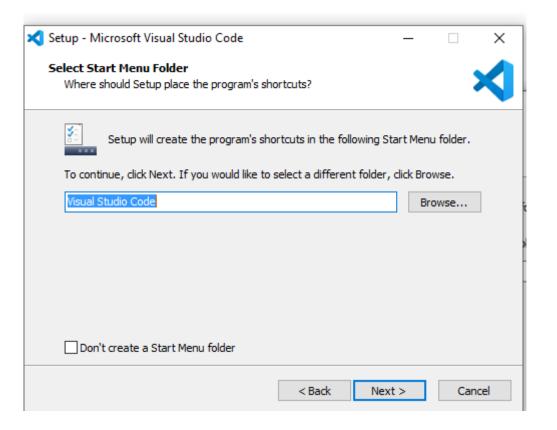


Click "Next":



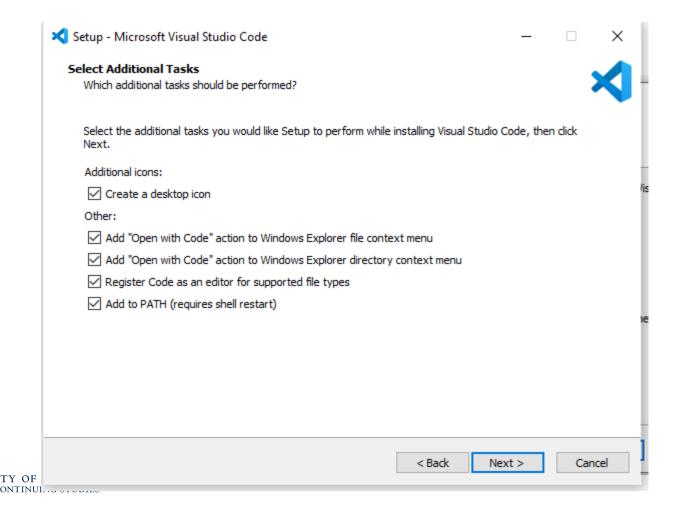


Click "Next":

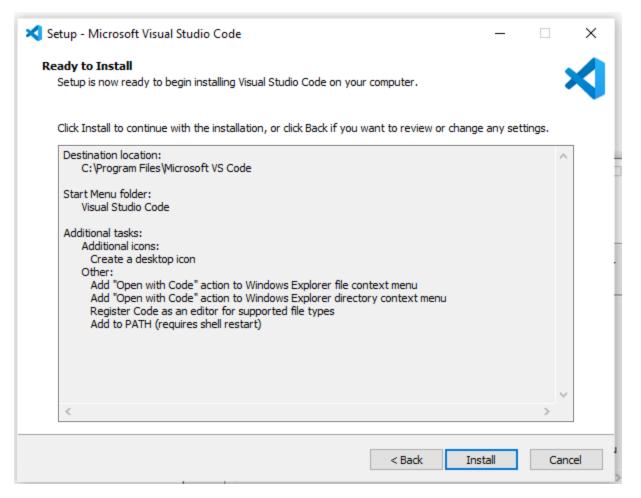




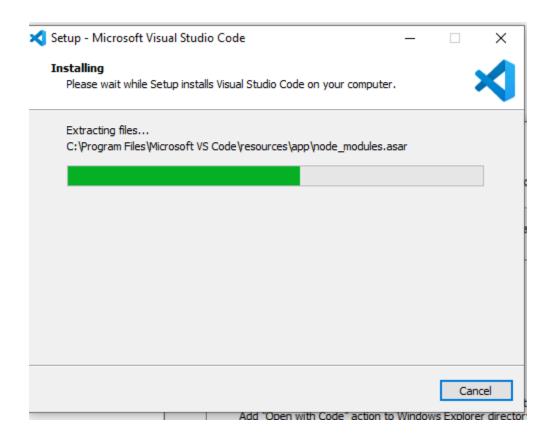
Click all of the checkbox and "Next":



Click "Install".

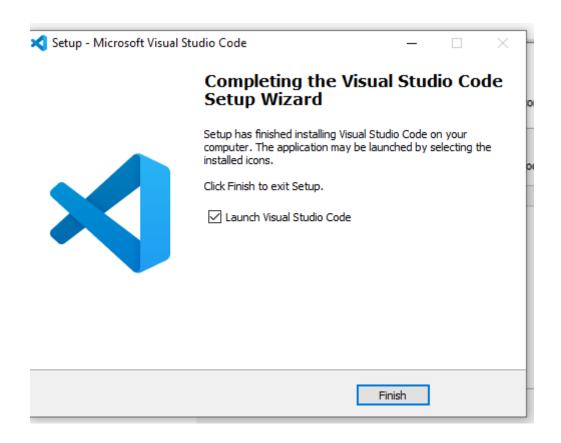






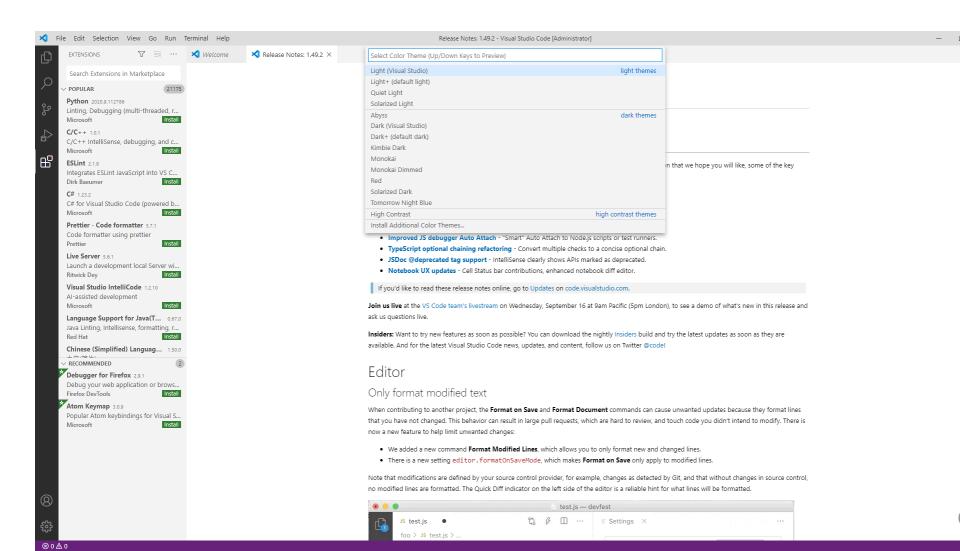


Click "Finish".

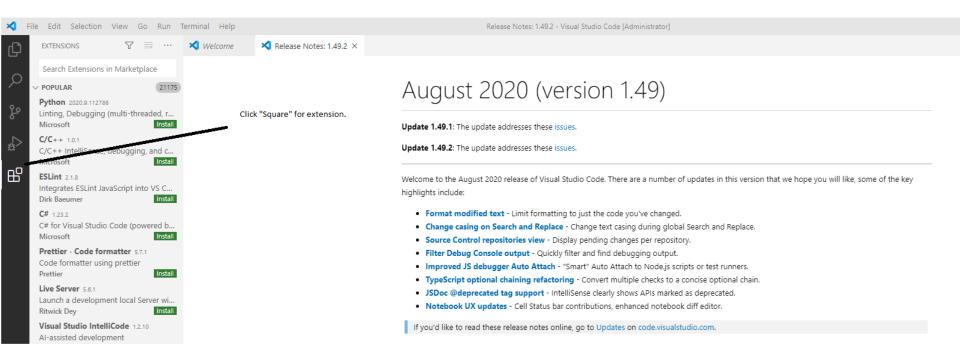




Click "File/Preferences/Color Theme/Light (Visual Studio".

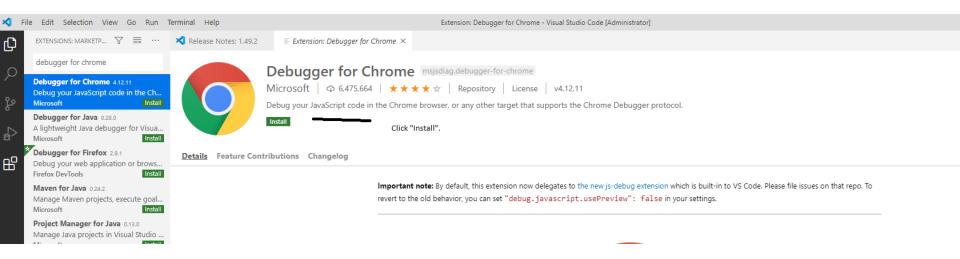


Click square for the extension:





 Type debugger for chrome and choose "Debugger for Chrome 4.12.11:





After installing "Debugger for chrome".

