

A decorative wavy line in yellow and white on the left side of the slide.

DEV TOOLS INSTALLATION

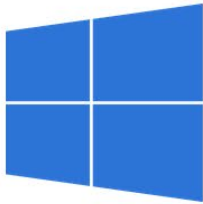
REACT

CONTENTS

1. Visual Studio Code
2. Extensions for React
3. NodeJS
4. PostMan

1. VISUAL STUDIO CODE (VSC)

- Url: <https://code.visualstudio.com/download>
- Download and install the VSC tool on suitable platform.



↓ Windows

Windows 7, 8, 10

User Installer	64 bit	32 bit	ARM
System Installer	64 bit	32 bit	ARM
.zip	64 bit	32 bit	ARM



↓ .deb

Debian, Ubuntu

↓ .rpm

Red Hat, Fedora, SUSE

.deb	64 bit	ARM	ARM 64
.rpm	64 bit	ARM	ARM 64
.tar.gz	64 bit	ARM	ARM 64

Snap Store



↓ Mac

macOS 10.11+

.zip Universal Intel Chip Apple Silicon

2. EXTENSIONS FOR REACT

2.1. Material Icon Theme

2.2. Prettier – Code Formatter

2.3. Simple React Snippets

2.4. ESLint

2.5. Auto Import - ES6, TS, JSX, TSX

2.6. html to JSX

2.1. MATERIAL ICON THEME

The screenshot displays the Visual Studio Code interface with the 'EXTENSIONS: MARKETPLACE' view active. A red box highlights the search bar containing the text 'material icon theme'. Below the search bar, a list of extensions is shown. The first extension, 'Material Icon Theme' by Philipp Kief, is highlighted with a red box, and its 'Install' button is also highlighted with a red box. A red arrow points from the 'Install' button to the search bar. The left sidebar shows the 'Extensions' icon highlighted with a red box. The main panel displays the details for the 'Material Icon Theme' extension, version 4.10.0, by Philipp Kief, with 9,079,620 downloads and a 5-star rating (210 reviews). The extension is described as 'Material Design Icons for Visual Studio Code'. The 'Install' button is visible, along with a settings gear icon. The bottom right corner shows the status bar with icons for search, run and debug, and a lightning bolt.

EXTENSIONS: MARKETPLACE

material icon theme

Material Icon Theme 9M ★ 5
Material Design Icons for Visual Studio Code
Philipp Kief **Install**

Material Theme Icons 411K ★ 5
Material Theme Icons, the most popular theme for Visual Studio Code
Equinusocio **Install**

Theme 15K ★ 5
This is a code editor theme for Visual Studio Code
Cecil Jacob **Install**

Material Theme 379K ★ 5
The most epic theme now for Visual Studio Code
Equinusocio **Install**

Community Theme 430K ★ 4.5
The official community main theme for Visual Studio Code
Equinusocio **Install**

Gruvbox Material Icons 3K ★ 5
Gruvbox Material Icons
JonathanHarty **Install**

theme 16K
beautiful theme
hassanoof **Install**

Unofficial Material Icons 1K

Material Icon Theme v4.10.0
Philipp Kief | 9,079,620 | ★★★★★ (210)
Material Design Icons for Visual Studio Code
Install ⚙️

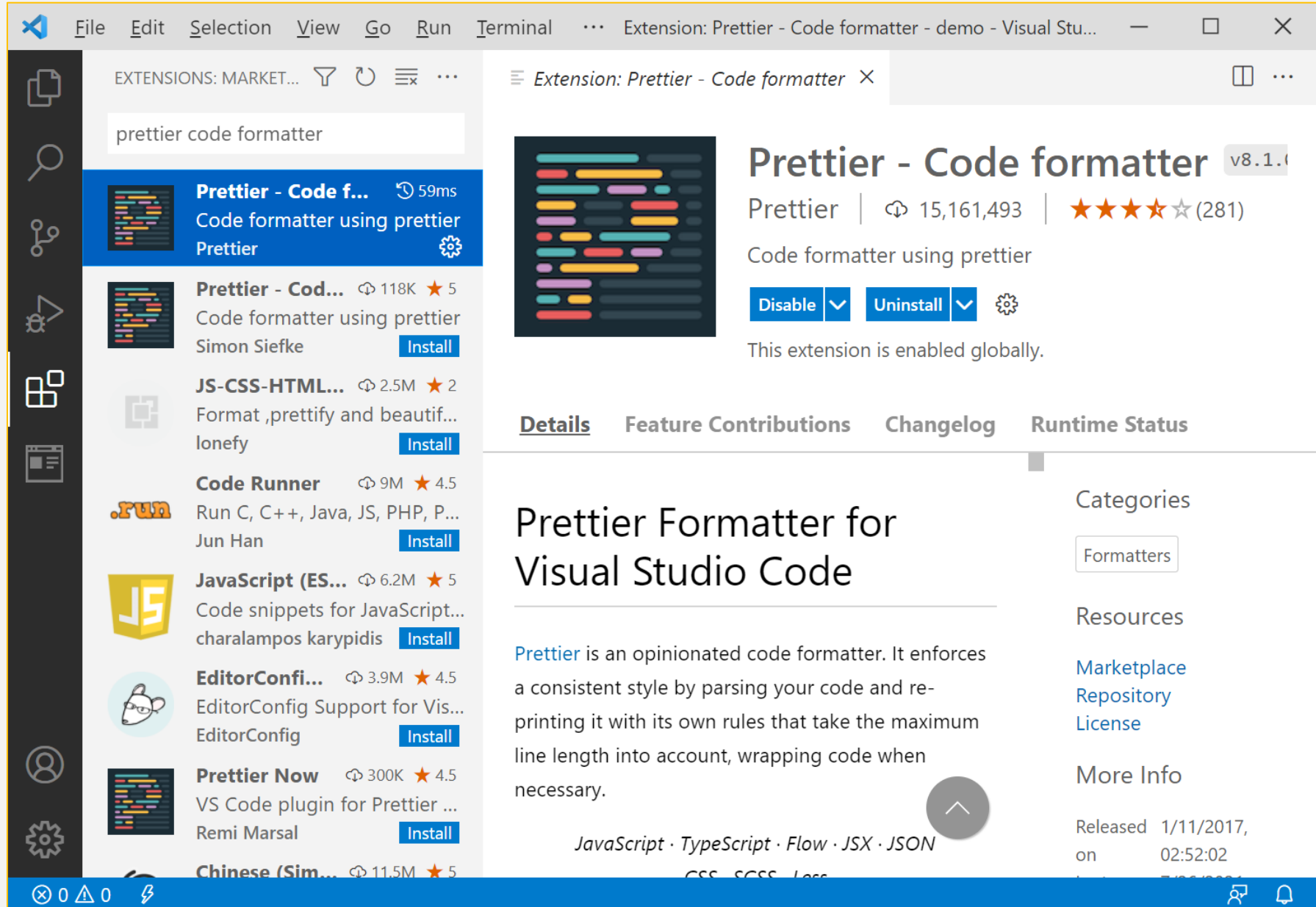
Details Feature Contributions Changelog

Categories
Themes

Resources
Marketplace
Repository
License

More Info
Released 9/11/2016, on 03:28:56
Last 8/25/2021, updated 04:23:17

2.2. PRETTIER – CODE FORMATTER



The screenshot shows the Visual Studio Code interface with the Extensions Marketplace open. The search bar contains "prettier code formatter". The left sidebar shows the Extensions view with a list of extensions. The main panel displays the details for the "Prettier - Code formatter" extension by Prettier.

EXTENSIONS: MARKETPLACE

prettier code formatter

- Prettier - Code f...** 59ms
Code formatter using prettier
Prettier **Install**
- Prettier - Cod...** 118K ★ 5
Code formatter using prettier
Simon Siefke **Install**
- JS-CSS-HTML...** 2.5M ★ 2
Format ,prettify and beautif...
lonefy **Install**
- Code Runner** 9M ★ 4.5
Run C, C++, Java, JS, PHP, P...
Jun Han **Install**
- JavaScript (ES...** 6.2M ★ 5
Code snippets for JavaScript...
charalampos karypidis **Install**
- EditorConfi...** 3.9M ★ 4.5
EditorConfig Support for Vis...
EditorConfig **Install**
- Prettier Now** 300K ★ 4.5
VS Code plugin for Prettier ...
Remi Marsal **Install**
- Chinese (Sim...** 11.5M ★ 5

Extension: Prettier - Code formatter v8.1.0

Prettier - Code formatter v8.1.0
Prettier | 15,161,493 | ★★★★★ (281)
Code formatter using prettier
Disable **Uninstall** ⚙️
This extension is enabled globally.

Details **Feature Contributions** **Changelog** **Runtime Status**

Prettier Formatter for Visual Studio Code

Prettier is an opinionated code formatter. It enforces a consistent style by parsing your code and re-printing it with its own rules that take the maximum line length into account, wrapping code when necessary.

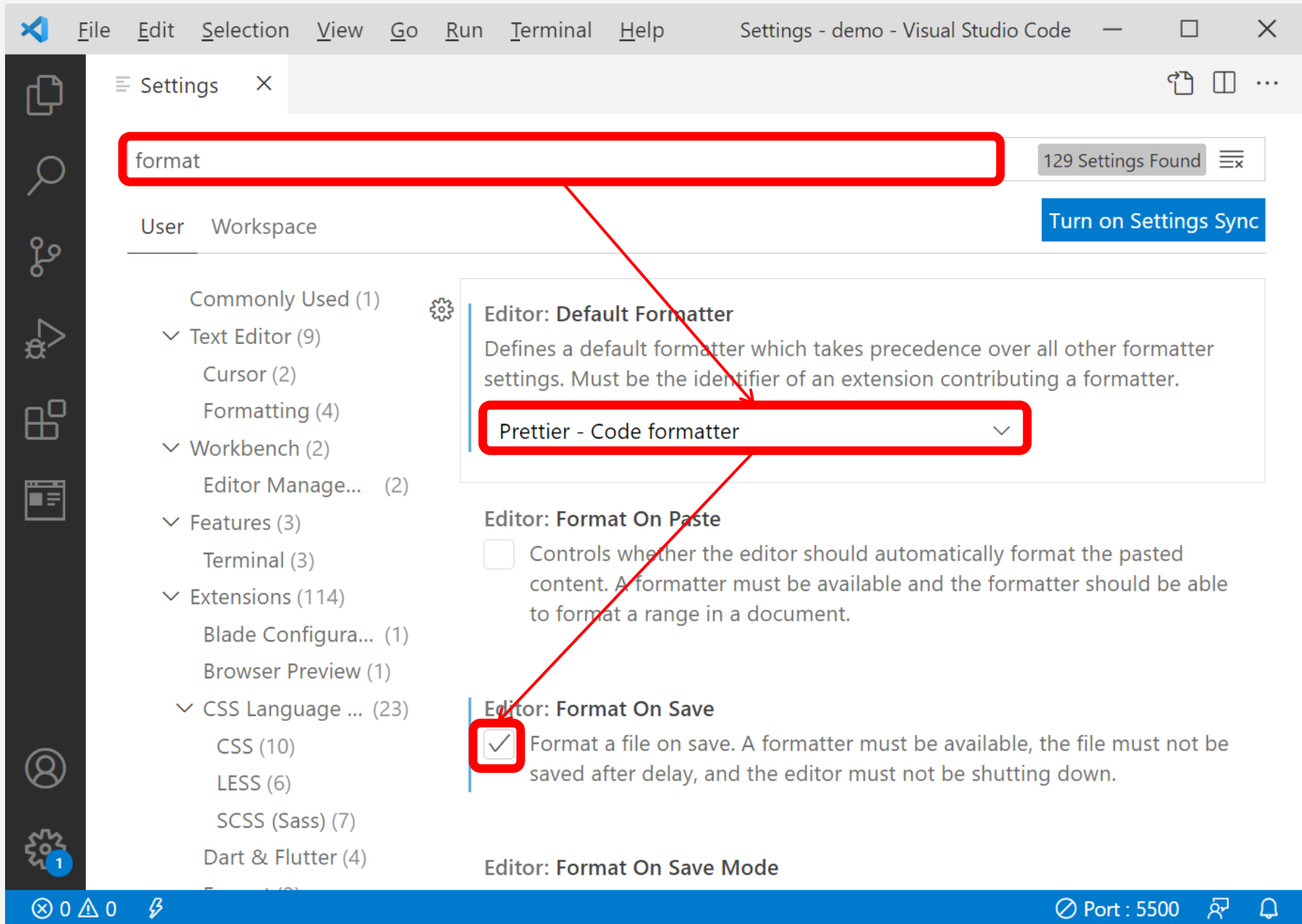
JavaScript · TypeScript · Flow · JSX · JSON
CSS · SCSS · Less

Categories
Formatters

Resources
[Marketplace](#)
[Repository](#)
[License](#)

More Info
Released 1/11/2017,
on 02:52:02

- Press F1, then type and select “open user settings”.





2.3. SIMPLE REACT SNIPPETS


File Edit Selection View Go Run ...


Extension: Simple React Snippets - demo - Visual St...


EXTENSIONS: MA...
Simple React Snippets


 **Simple React Snippets**
Dead simple React snippets y...
Burke Holland


 **ES7 React/Re...** 3.7M ★ 4.5
Simple extensions for React, ...
dsznajder

 **snippets** 37K ★ 5
ReactJS snippets created by ...
GoBystrok ReactJS


 **HTML Snippets** 6.1M ★ 4.5
Full HTML tags including HT...
Mohamed Abusaid

 **Snippets** 3K
A Simple Extension for VS Co...
Binary Bytes

 **JavaScript (ES...** 6.4M ★ 5
Code snippets for JavaScript i...
charalampos karypidis

 **React Native T...** 2.3M ★ 4
Debugging and integrated c...
Microsoft

Extension: Simple React Snippets ×




Simple React Snippets v1.2.4

Burke Holland | 1,216,839 | ★★★★★

Dead simple React snippets you will actually use

Disable

Uninstall



This extension is enabled globally.

Details

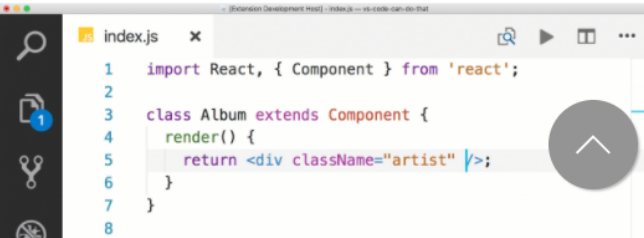
Feature Contributions

Changelog

Runtime Status

Simple React Snippets

The essential collection of React Snippets and commands.



Categories

Snippets

Resources

Marketplace Repository

More Info

Released 9/12/2017, on 20:42:06

0 0 0 {..}:0


Go Live


2.4. ESLINT


FileEditSelectionViewGoRunTerminalHelp


Extension: ESLint - demo - Visual Studio Code


EXTENSIONS: MARKET...
eslint


**ESLint**
Integrates ESLint JavaScript ...
Dirk Baeumer
14ms


**Prettier ESLint**
A Visual Studio Extension to to...
Rebecca Vest
335K 4
Install


**eslint-disable-...**
Simple snippets for disable ...
Adam Knox
54K 5
Install

**LintLens — ES...**
Augment your ESLint rules i...
Gabriel McAdams
36K 5
Install

**Disable eslint r...**
WoodHead
11K 5
Install

**ESLint Chinese ...**
eslint中文规则提示插件
maggie
6K 5
Install

**Richa's ESLint Snip...**
Richa Avasthi
4K
Install

**ESLint** v2.1.25
Dirk Baeumer | 16,384,043 | ★★★★★ (1)
Integrates ESLint JavaScript into VS Code.
Disable Uninstall
This extension is enabled globally.
★ This extension is recommended based on the files you recently opened.

DetailsFeature ContributionsChangelogRuntime Status

VS Code ESLint extension

Azure Pipelines succeeded

Integrates [ESLint](#) into VS Code. If you are new to ESLint check the [documentation](#).

The extension uses the ESLint library installed in the

Categories

Programming Languages

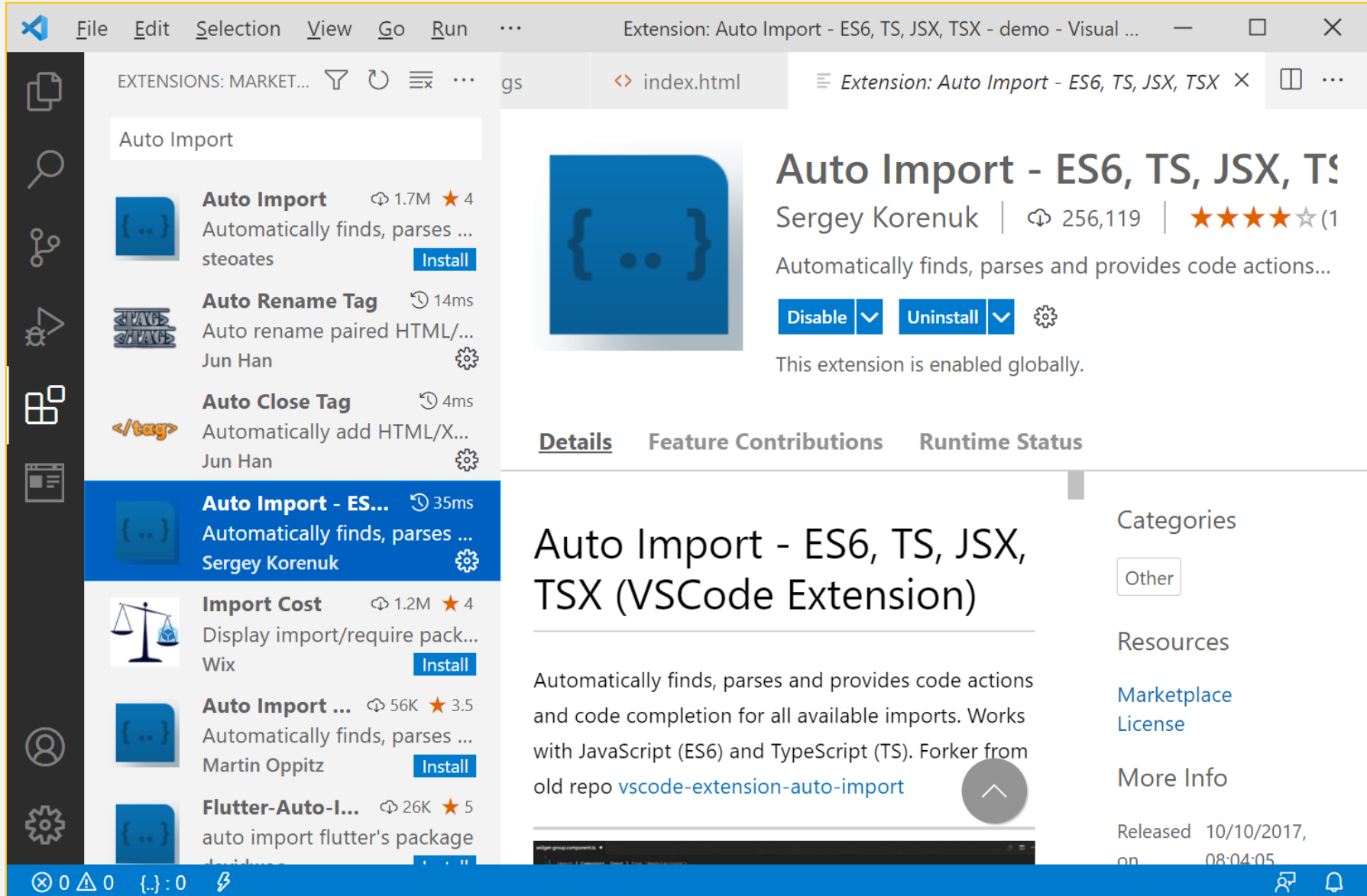
Linters

Resources

[Marketplace](#)
[Repository](#)

0 0 {.:}:0

2.5. AUTO IMPORT - ES6, TS, JSX, TSX



Visual Studio Code interface showing the 'Auto Import - ES6, TS, JSX, TSX' extension page.

EXTENSIONS: MARKETPLACE

- Auto Import** (1.7M stars) - Automatically finds, parses ... steoates. [Install](#)
- Auto Rename Tag** (14ms) - Auto rename paired HTML/... Jun Han. [Settings](#)
- Auto Close Tag** (4ms) - Automatically add HTML/X... Jun Han. [Settings](#)
- Auto Import - ES6, TS, JSX, TSX** (35ms) - Automatically finds, parses ... Sergey Korenuk. [Settings](#)
- Import Cost** (1.2M stars) - Display import/require pack... Wix. [Install](#)
- Auto Import ...** (56K stars) - Automatically finds, parses ... Martin Oppitz. [Install](#)
- Flutter-Auto-I...** (26K stars) - auto import flutter's package ...

Auto Import - ES6, TS, JSX, TSX

Sergey Korenuk | 256,119 | ★★★★★ (1)

Automatically finds, parses and provides code actions...

[Disable](#) [Uninstall](#) [Settings](#)

This extension is enabled globally.

Details **Feature Contributions** **Runtime Status**

Auto Import - ES6, TS, JSX, TSX (VSCode Extension)

Automatically finds, parses and provides code actions and code completion for all available imports. Works with JavaScript (ES6) and TypeScript (TS). Forker from old repo [vscode-extension-auto-import](#)

Categories

- Other




Resources

- [Marketplace License](#)




More Info





Released 10/10/2017, on 08:04:05





2.6. HTML TO JSX





EXTENSIONS: M...    ...




html to jsx

 **html to JSX**  466ms
Converts html code to React...
Riaz Laskar 


 **HTML Snipp...**  7.3M  4.5
Full HTML tags including H...
Mohamed Abusaid 


 **HTML CSS S...**  9.2M  3.5
CSS Intellisense for HTML
ecmel 





 **HTML Preview**  1.7M  3.5
Provides ability to preview ...
Thomas Haakon Tow... 

 **IntelliSense for C...**  106ms
CSS class name completion...
Zignd 

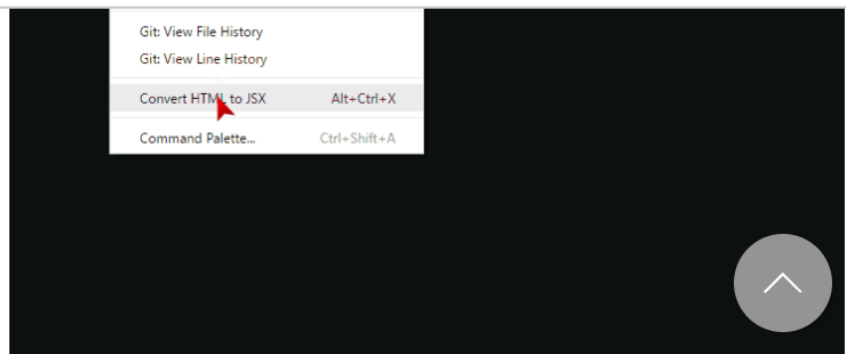
index.html JS App.js M




Extension: html to JSX X 



html to JSX v0.0.1
Riaz Laskar |  102,112 | 
Converts html code to React JSX
 

Details Feature Contributions Changelog Runtir



master*  0 0 {..}: 222  Go Live 

3. NODEJS

- Url: <https://nodejs.org/en/>



HOME | ABOUT | DOWNLOADS | DOCS | GET INVOLVED | SECURITY | CERTIFICATION | NEWS

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

Download for Windows (x64)

16.13.0 LTS

Recommended For Most Users

17.0.1 Current

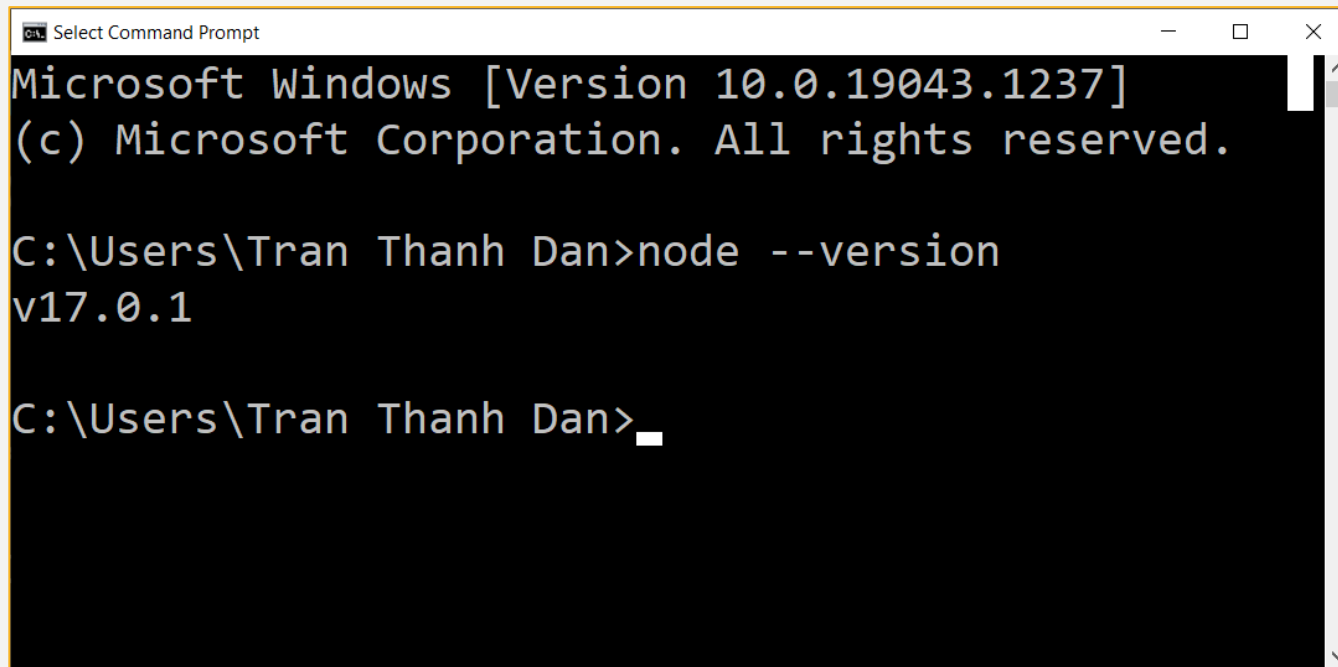
Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#)

[Other Downloads](#) | [Changelog](#) | [API Docs](#)

■ Checking NodeJS

- Open “Command Prompt” (type `cmd` in seachbox of windows)
- Type: `node --version`



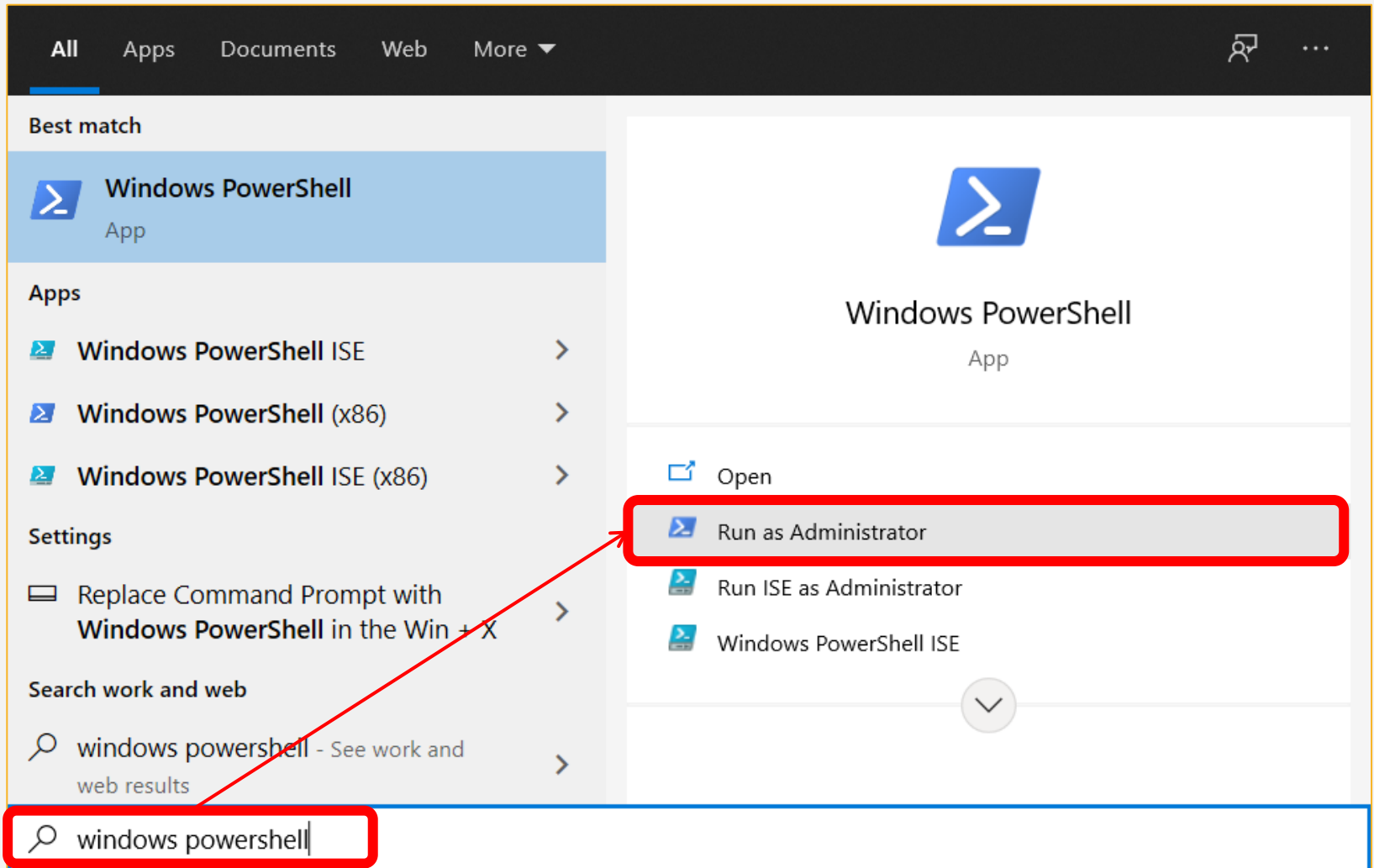
```
Select Command Prompt
Microsoft Windows [Version 10.0.19043.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Tran Thanh Dan>node --version
v17.0.1

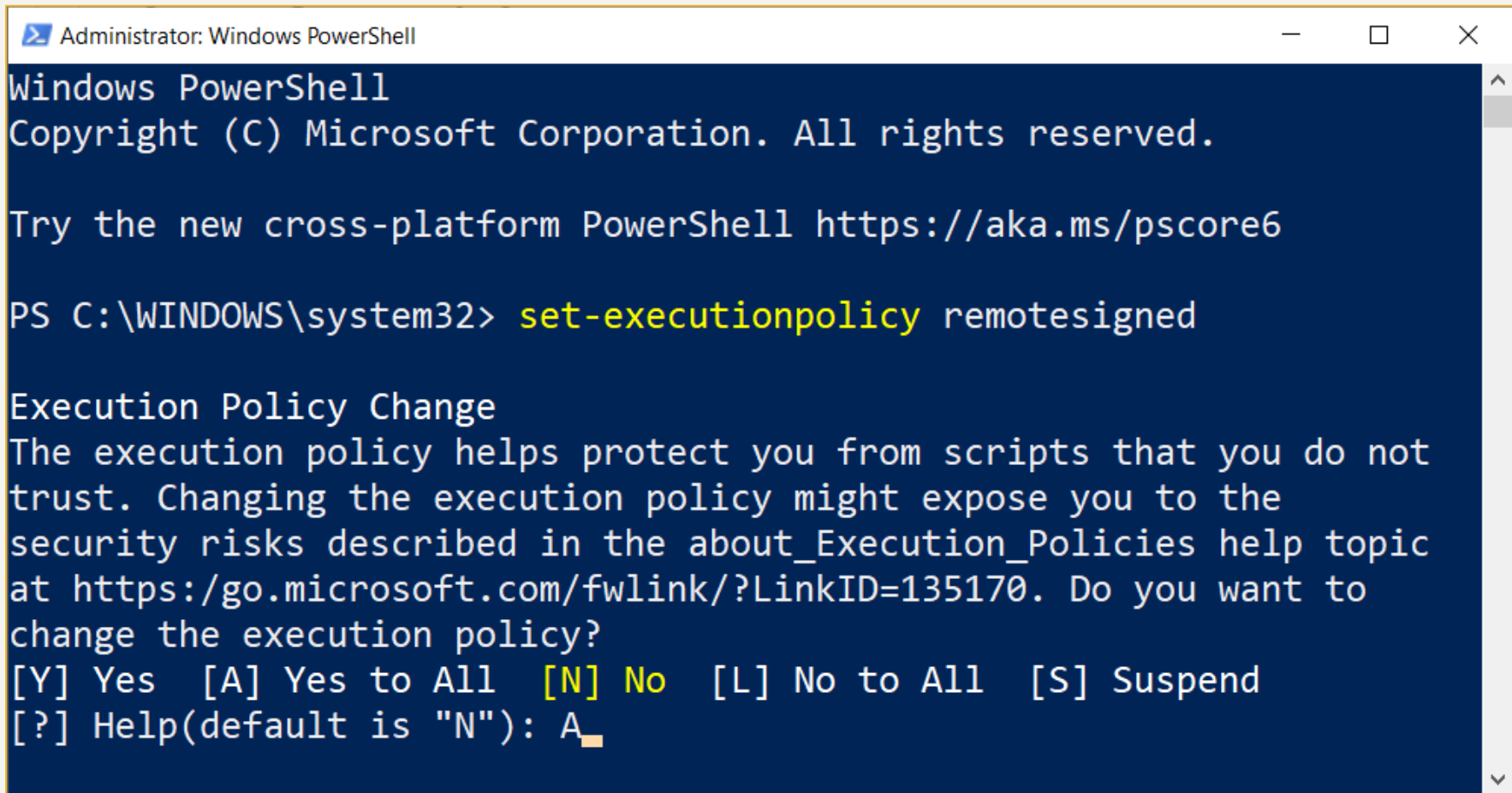
C:\Users\Tran Thanh Dan>_
```

■ Terminal configuration on MS Windows

- Open and run “Windows PowerShell” as Administrator



- Type “`set-executionpolicy remotesigned`”, then type “`A`” to complete.
- Now, you can close “Windows PowerShell” window.



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

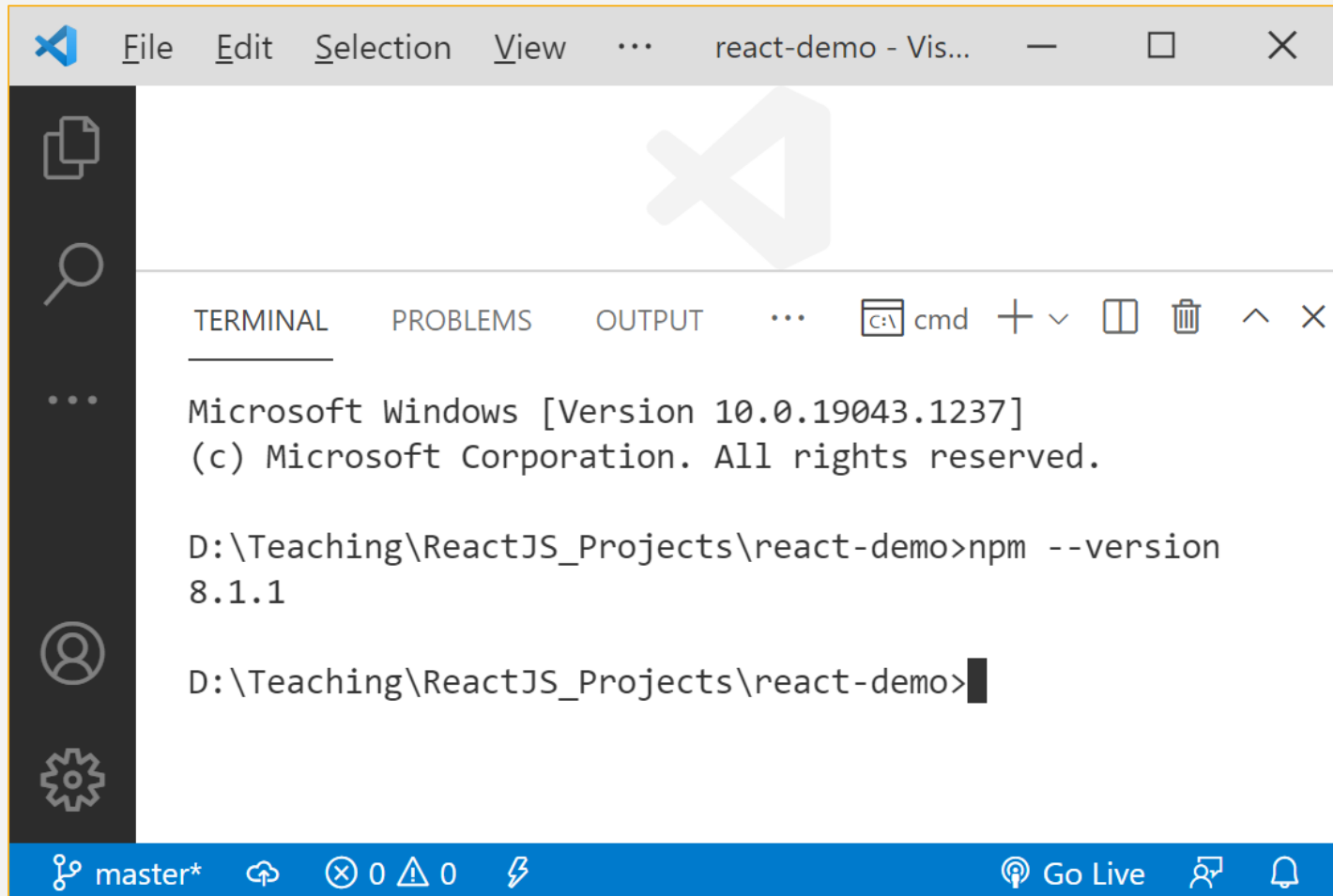
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\WINDOWS\system32> set-executionpolicy remotesigned

Execution Policy Change
The execution policy helps protect you from scripts that you do not
trust. Changing the execution policy might expose you to the
security risks described in the about_Execution_Policies help topic
at https://go.microsoft.com/fwlink/?LinkID=135170. Do you want to
change the execution policy?
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend
[?] Help(default is "N"): A
```

■ Checking `npm` in terminal of VSC

- Open VSC, then select `View → Terminal` or press “`Ctrl+``”
- Type: `npm --version`



The screenshot shows the Visual Studio Code interface with the terminal panel open. The terminal window title is "react-demo - Vis...". The terminal content shows the command prompt "D:\Teaching\ReactJS_Projects\react-demo>" followed by the command "npm --version" and its output "8.1.1". The terminal also displays the Windows version information: "Microsoft Windows [Version 10.0.19043.1237] (c) Microsoft Corporation. All rights reserved." The terminal panel has tabs for "TERMINAL", "PROBLEMS", and "OUTPUT". The "TERMINAL" tab is active. The terminal window has a toolbar with icons for "cmd", "terminal", "problems", "output", "run and debug", "test", "refresh", "close", and "toggle". The status bar at the bottom shows "master*", "0 errors", "0 warnings", and "Go Live" button.

```
Microsoft Windows [Version 10.0.19043.1237]
(c) Microsoft Corporation. All rights reserved.

D:\Teaching\ReactJS_Projects\react-demo>npm --version
8.1.1

D:\Teaching\ReactJS_Projects\react-demo>
```


4. POSTMAN

- Url: <https://www.postman.com/downloads/>
- Download and install the Postman on suitable platform.

The image shows a browser window displaying the Postman website's download page. The browser's address bar shows the URL <https://www.postman.com/downloads/>. The website's navigation bar includes links for Product, Pricing, Enterprise, Resources and support, and Explore, along with Sign In and Sign Up for Free buttons. The main content area features the heading "The Postman app" and a description: "The ever-improving Postman app (a new release every two weeks) gives you a full-featured Postman experience." Below this is a large orange button labeled "Download the App". A disclaimer states: "By downloading and using Postman, I agree to the Privacy Policy and Terms." At the bottom, it mentions "Version 8.12.4" and provides links for Release Notes and Product Roadmap. It also offers download links for Mac (macOS) and Linux (x64).

Overlaid on the bottom right of the browser window is a screenshot of the Postman application interface. The interface shows a workspace named "Twitter's Public Workspace" with a collection "Twitter API v2" containing a "Tweet Lookup" folder. Inside this folder is a "GET Single Tweet" request. The right-hand pane shows the details of this request, including the method "GET", the URL "https://api.twitter.com/2/tweets/:id", and a table of query parameters.

Key	Value
tweet.fields	
expansions	
media.fields	
poll.fields	
place.fields	
user.fields	



GET Untitled Request



Untitled Request



GET ▾



Enter request URL



Params ▾



Query Params



KEY

VALUE

DESCRIPTION



Bulk Edit



Key

Value

Description

Response



Enter the URL and

 Find and Replace

Console



THE END