

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

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 CSS Support

2.7. html to JSX

2.1. MATERIAL ICON THEME

The screenshot shows the Visual Studio Code interface with the 'EXTENSIONS: MARKETPLACE' view active. A search bar at the top of the extensions panel contains the text 'material icon theme'. Below the search bar, a list of extensions is displayed. The first extension, 'Material Icon Theme' by Philipp Kief, is highlighted. A red box highlights the 'Install' button for this extension. A red arrow points from the 'Install' button to the 'Material Icon Theme' extension entry. Another red box highlights the 'Material Icon Theme' extension entry. A red box also highlights the 'Material Icon Theme' extension entry. The main editor area shows the 'Material Icon Theme' extension details, including the version 'v4.10.0', the author 'Philipp Kief', and the download count '9,079,620'. The 'Install' button is visible. The 'Details' tab is selected. The 'Categories' section shows 'Themes'. The 'Resources' section includes links to 'Marketplace', 'Repository', and 'License'. The 'More Info' section shows the release date '9/11/2016' and the last update date '8/25/2021'.

EXTENSIONS: MARKETPLACE

material icon theme

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

Install

Material Theme Icons 411K ★ 5
Material Theme Icons, the ...
Equinusocio **Install**

Theme 15K ★ 5
This is a code editor theme ...
Cecil Jacob **Install**

Material Theme 379K ★ 5
The most epic theme now f...
Equinusocio **Install**

Community ... 430K ★ 4.5
The official community main...
Equinusocio **Install**

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

theme 16K
beautiful theme
hassanoof **Install**

Unofficial Material... 1K

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

Install

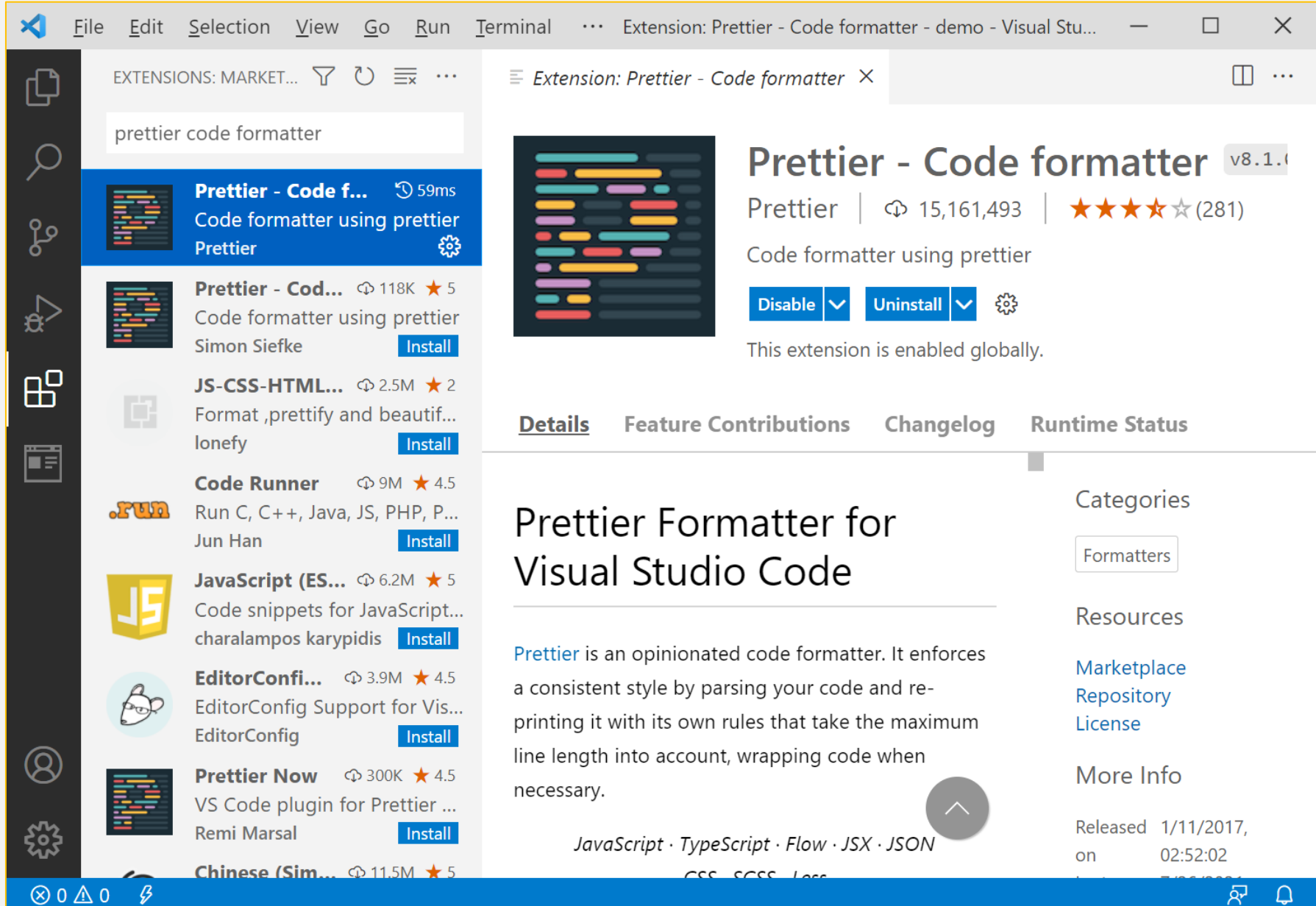
Details Feature Contributions Changelog

Categories
Themes

Resources
Marketplace
Repository
License

More Info
Released 9/11/2016,
on 03:28:56
Last 8/25/2021,
updated 04:23:12

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 | 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

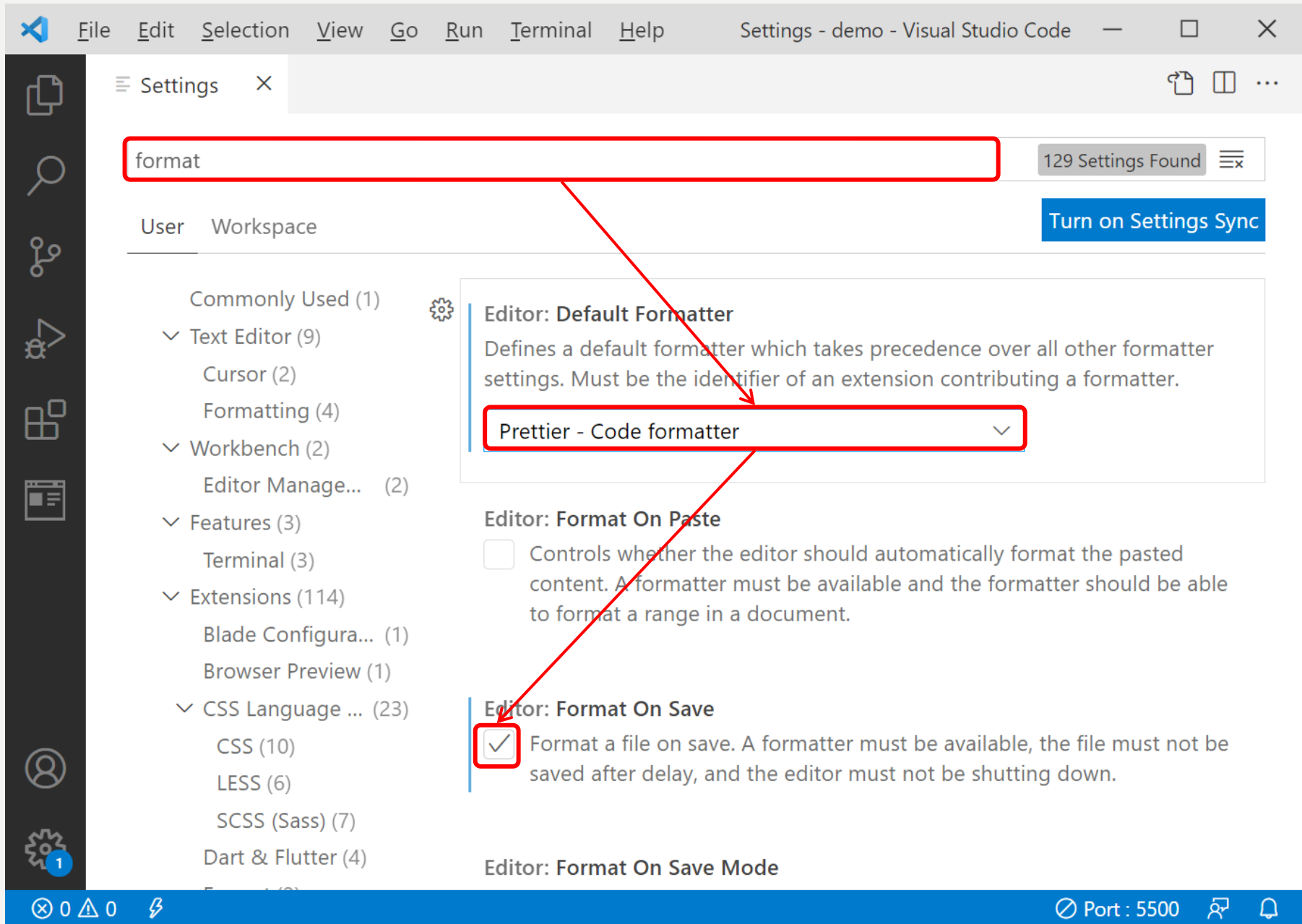
Categories: Formatters

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

More Info

Released 1/11/2017, 02:52:02

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



2.3. SIMPLE REACT SNIPPETS

The screenshot shows the Visual Studio Code interface with the Simple React Snippets extension installed. The left sidebar displays a list of extensions, with Simple React Snippets at the top. The main editor area shows the details for the Simple React Snippets extension, including its logo, name, author, version, and a list of features. The extension is currently enabled globally.

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 - demo - Visual St...

Simple React Snippets v1.2.4

Burke Holland | 1,216,839 |

Dead simple React snippets you will actually use

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


```
1 import React, { Component } from 'react';
2
3 class Album extends Component {
4   render() {
5     return <div className="artist" />;
6   }
7 }
8
```



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

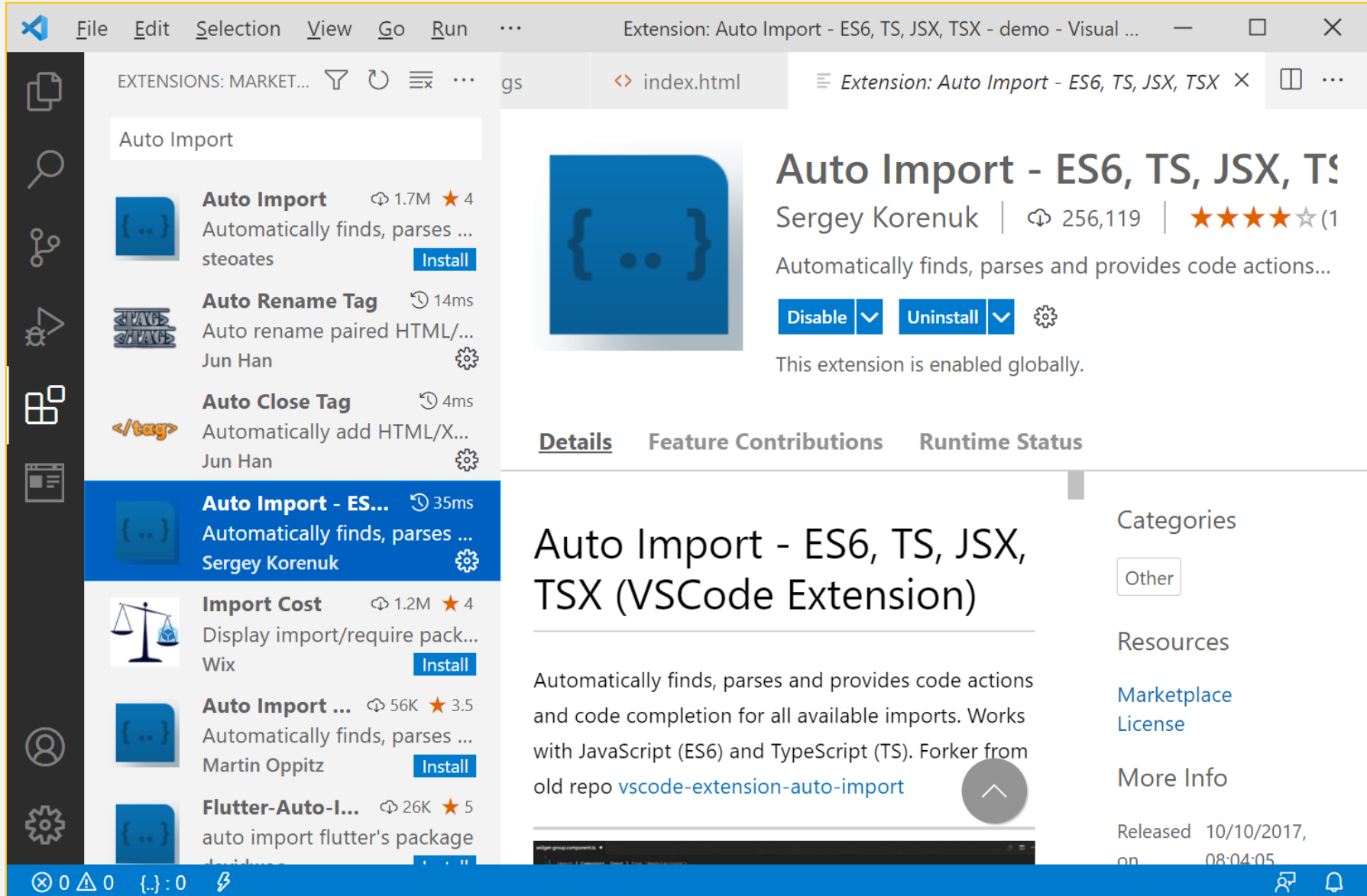
Linters

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 CSS SUPPORT

The screenshot displays the Visual Studio Code interface with the 'Extension: HTML CSS Support' page open. The left sidebar shows a list of installed and available extensions. The main panel shows the details for the 'HTML CSS Support' extension by 'ecmel'.

EXTENSIONS:

- HTML C
- HTML CSS Supp...** 31ms
CSS Intellisense for HTML
ecmel
- IntelliSense for ...** 72ms
CSS class name completi...
Zignd
- HTML Snip...** 7.5M ★ 4
Full HTML tags including ...
Mohamed Abusaid **Install**
- JS-CSS-HT...** 3M ★ 1.5
Format ,prettify and bea...
lonify **Install**
- C/C++** 30M ★ 3.5
C/C++ IntelliSense, debu...
Microsoft **Install**
- Kite AutoC...** 3.4M ★ 3
AI code completions for ...
Kite **Install**
- C/C++ Th...** 5.9M ★ 3.5
UI Themes for C/C++ ext...

HTML CSS Support v1.11
ecmel | 9,488,261 | ★★★★★ (85)
CSS Intellisense for HTML

Disable **Uninstall** ⚙️

This extension is enabled globally.

Details Feature Contributions Changelog Runtime Status

Visual Studio Code
CSS Intellisense for
HTML

HTML **id** and **class** attribute completion
for Visual Studio Code.

Categories

- Programming Languages
- Other





Resources

- Marketplace
- Repository
- License




Features





main* 0 0 ⚡ Go Live





2.7. 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 

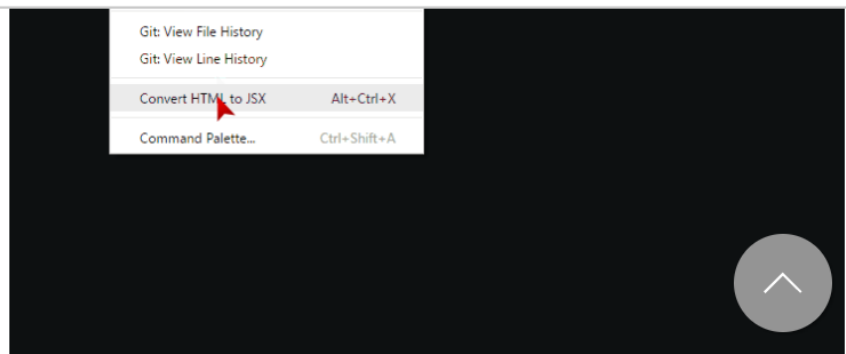
index.html JS App.js M





Extension: html to JSX  





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

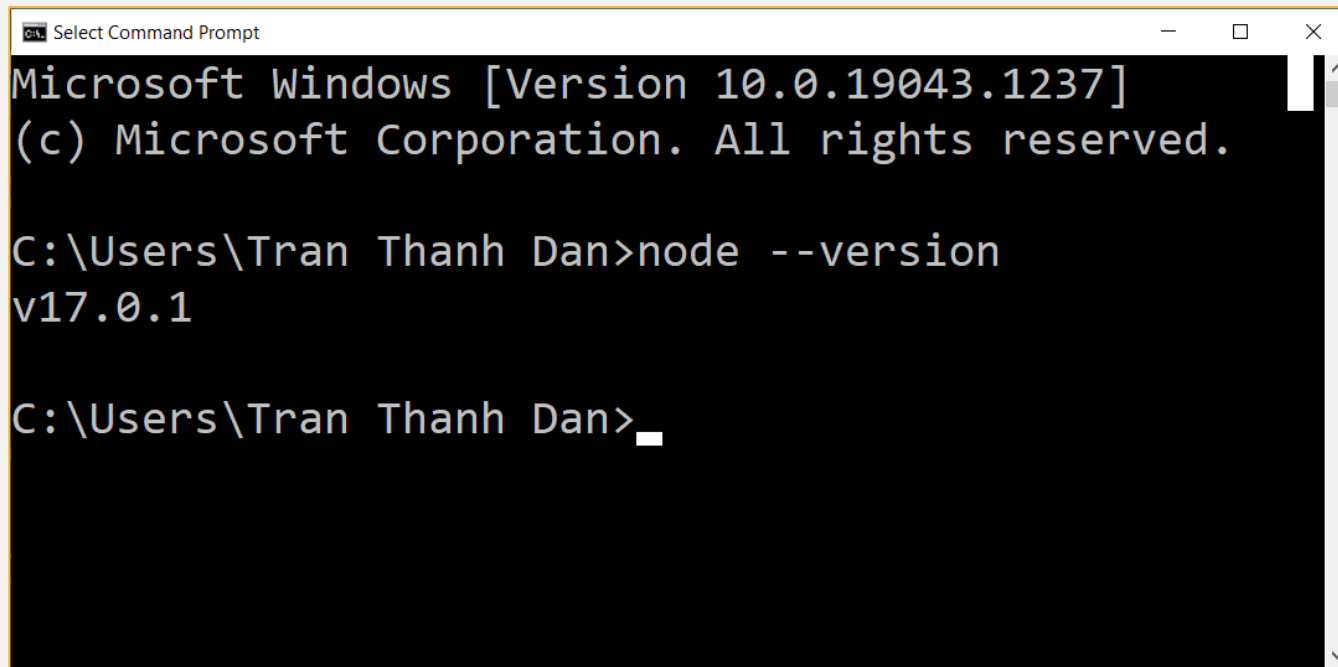
Latest Features

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

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

■ Checking NodeJS

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



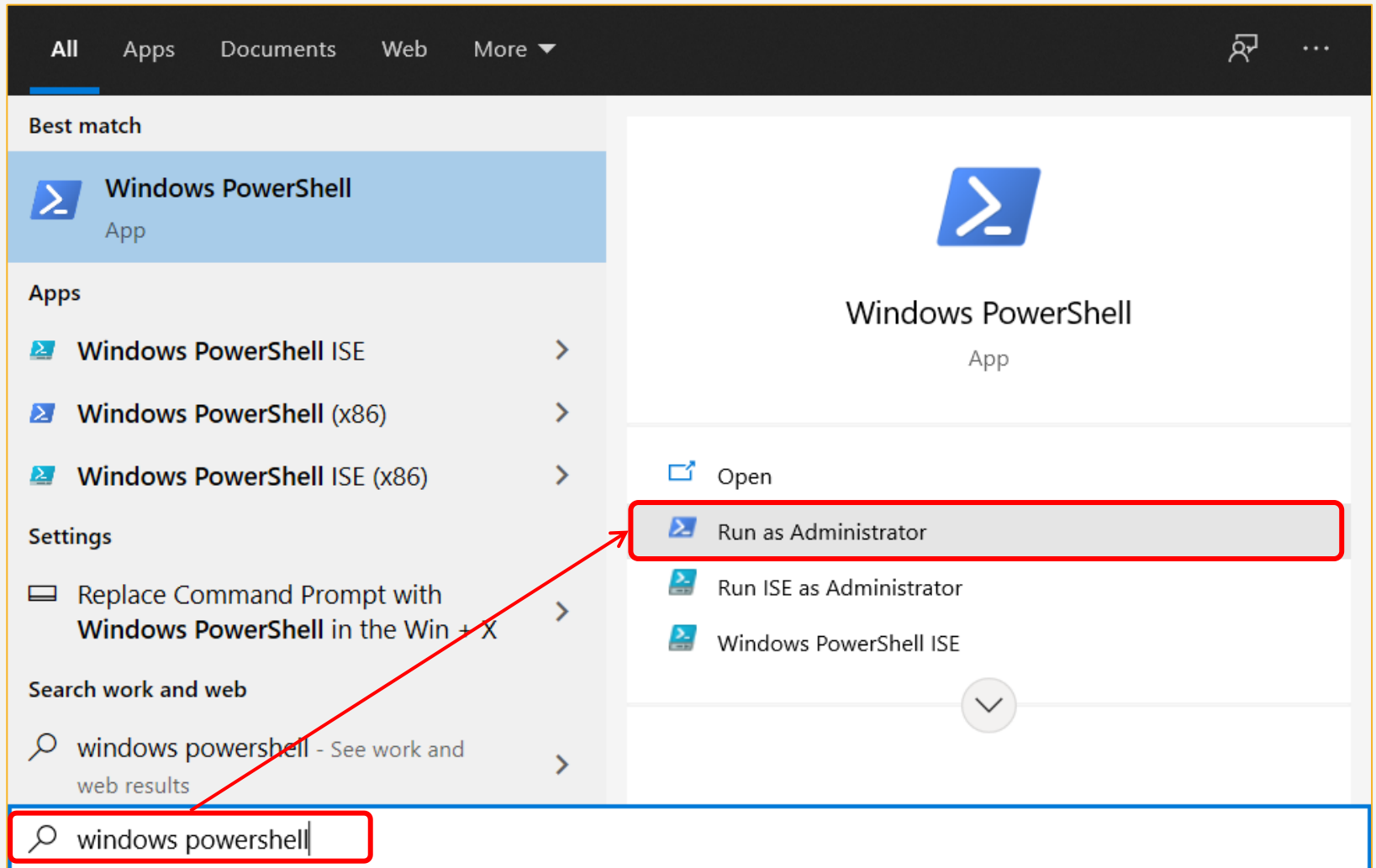
```
Select Command Prompt
Microsoft Windows [Version 10.0.19043.1237]
(c) Microsoft Corporation. All rights reserved.

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

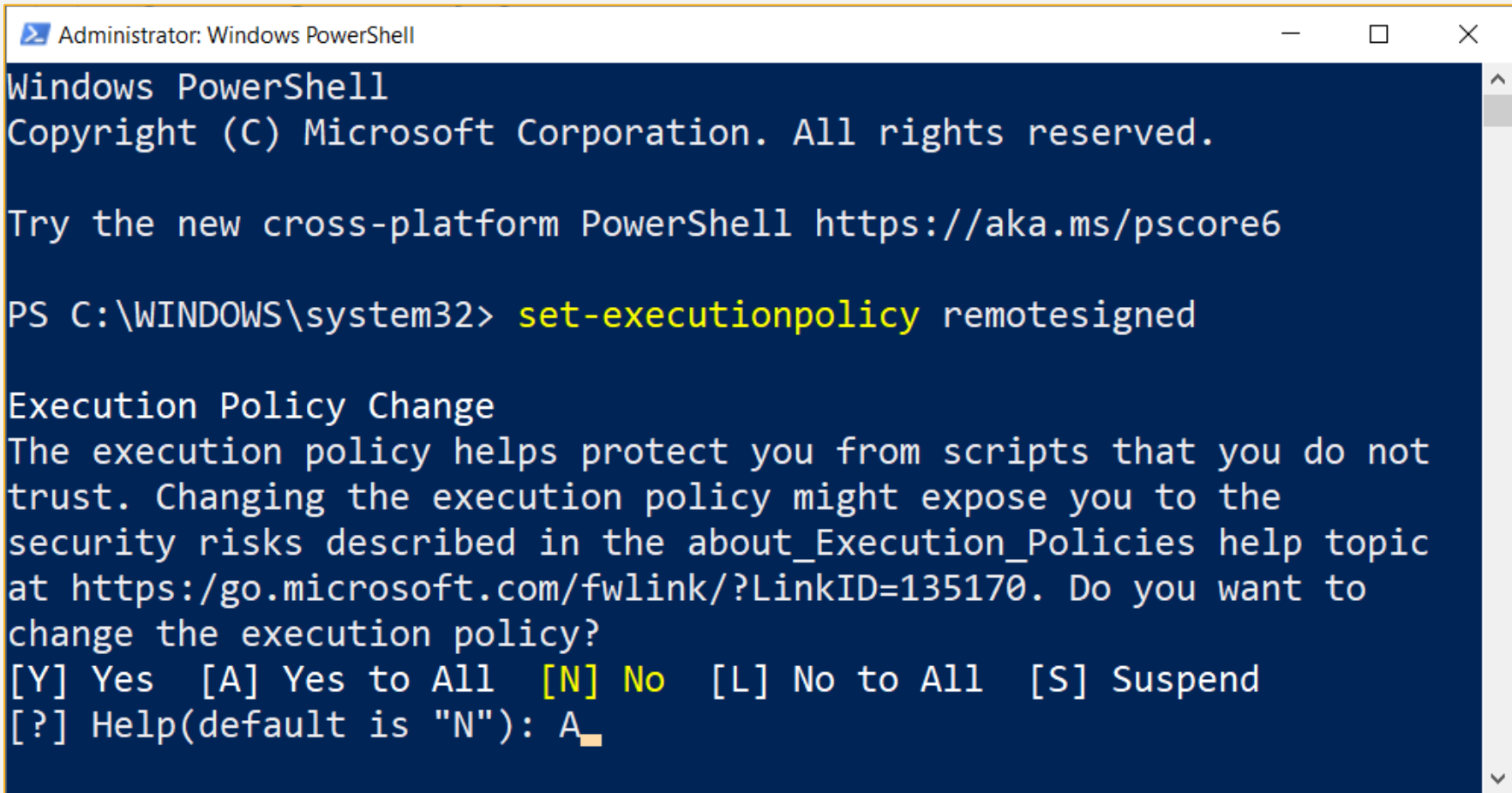
C:\Users\Tran Thanh Dan>_
```

■ 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.

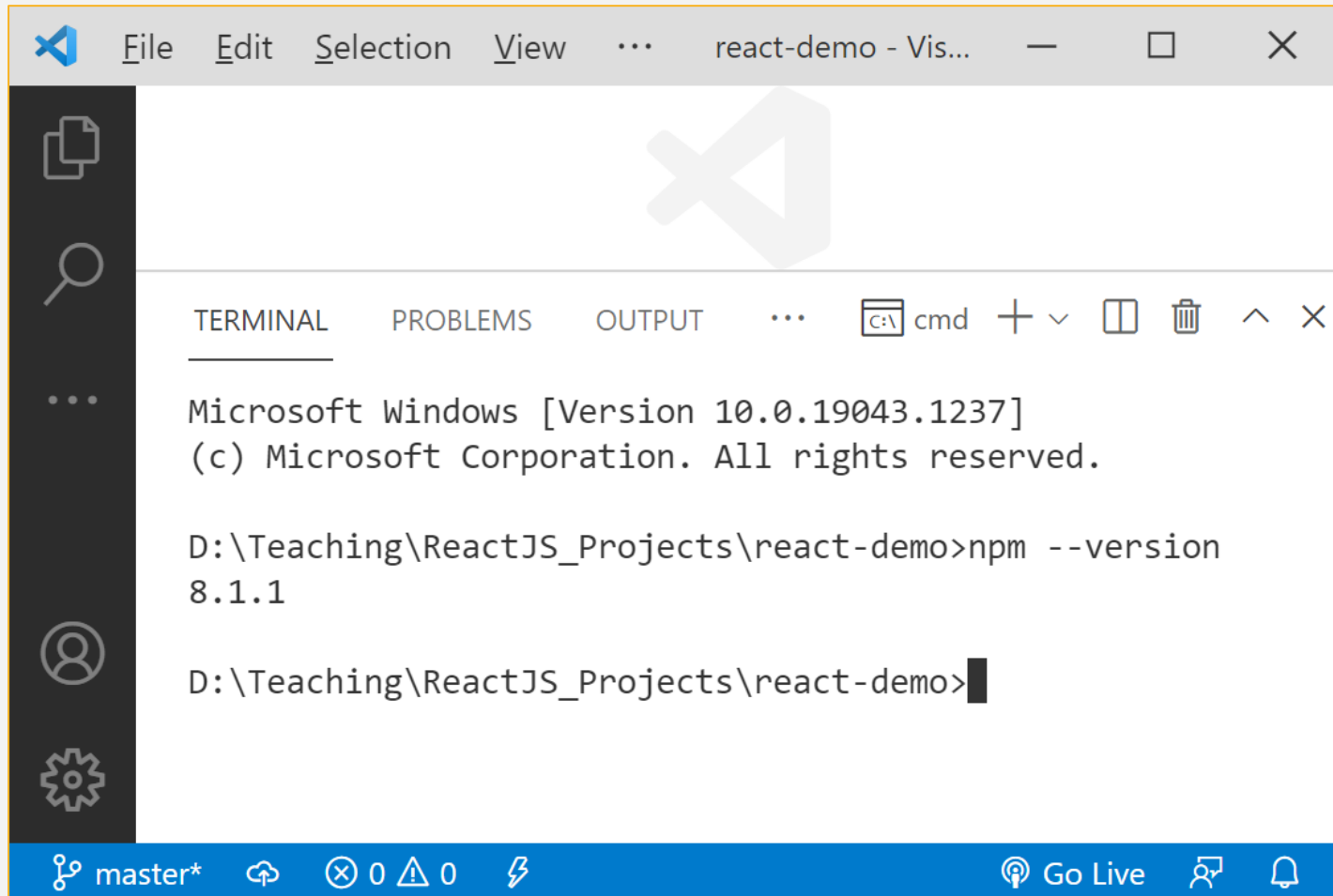
Try the new cross-platform PowerShell https://aka.ms/pscore6

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 title bar indicates the current directory is 'react-demo - Vis...'. The terminal content shows the command 'npm --version' being executed, resulting in the output '8.1.1'. The status bar at the bottom shows the current branch is 'master*' and there are no errors or warnings.

```
File Edit Selection View ... react-demo - Vis...  
[Icons]  
[Magnifying Glass]  
[Terminal] PROBLEMS OUTPUT ... cmd + [Icons]  
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>
```

master* 0 0 [Icons] Go Live [Icons]

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" and a folder "Tweet Lookup". A specific request "GET Single Tweet" is selected. The right-hand pane shows the request details, 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