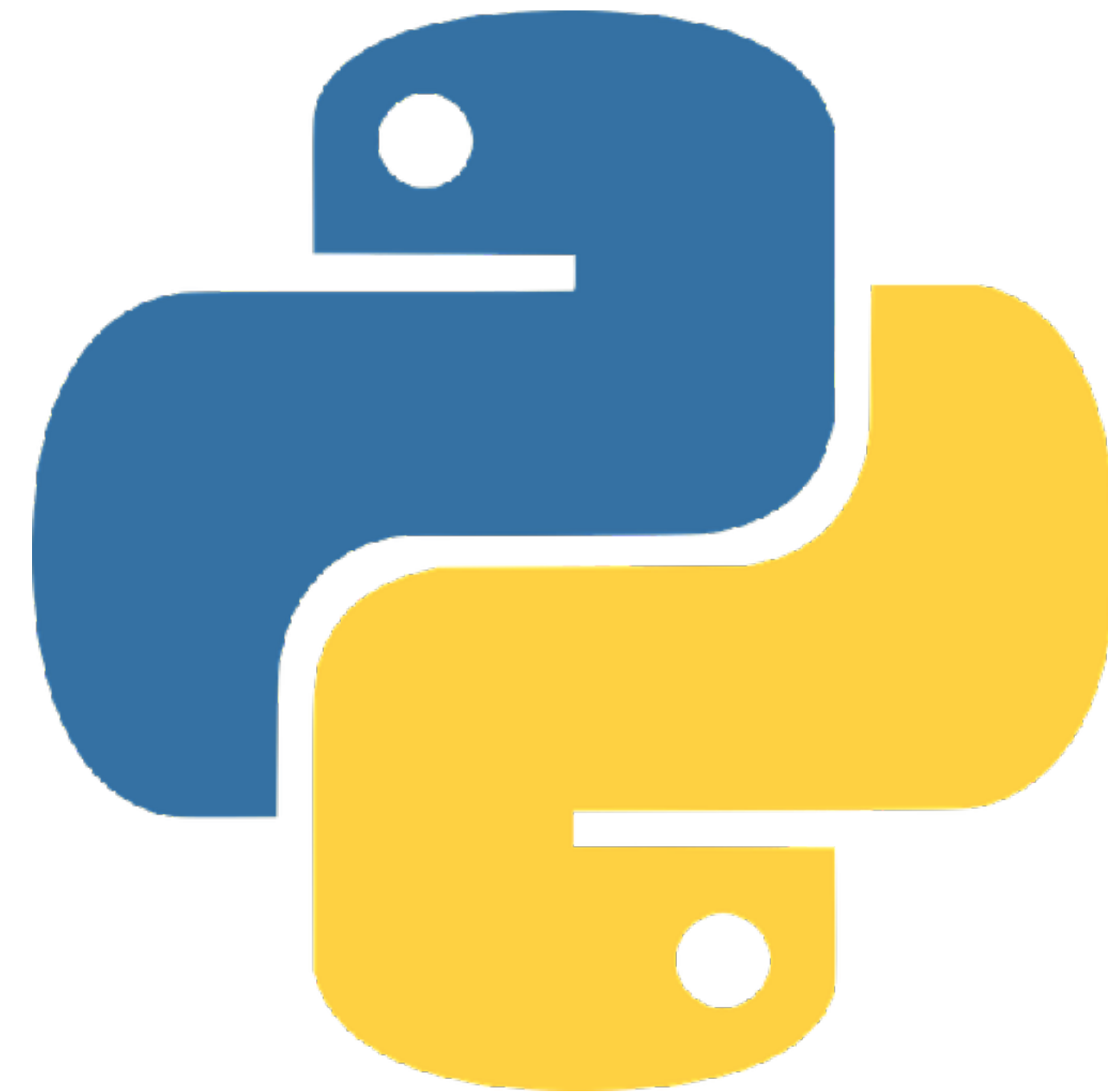


# How to install

Python, VS Code, jupyter

# Install Python

<https://www.python.org/downloads/>

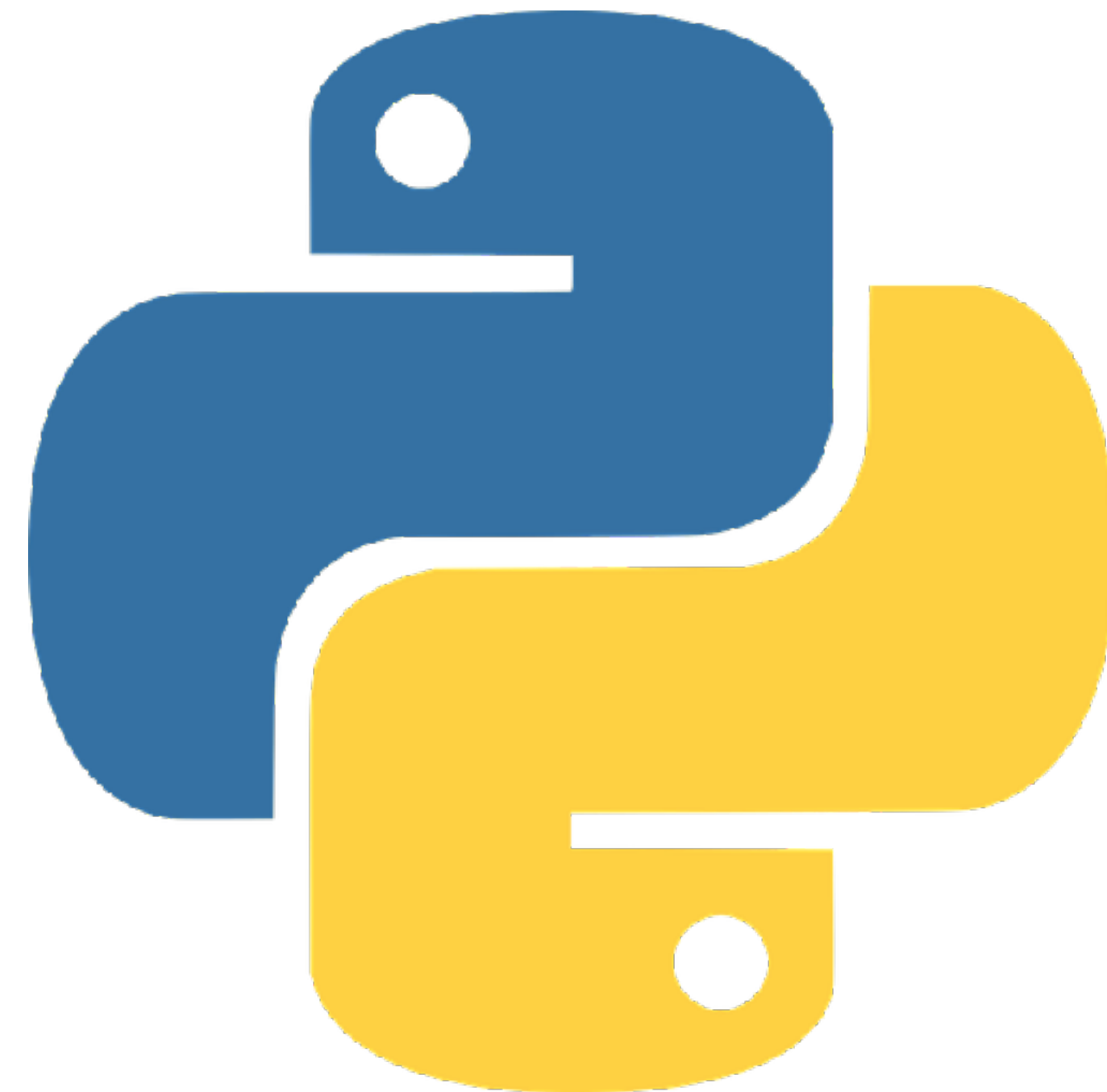


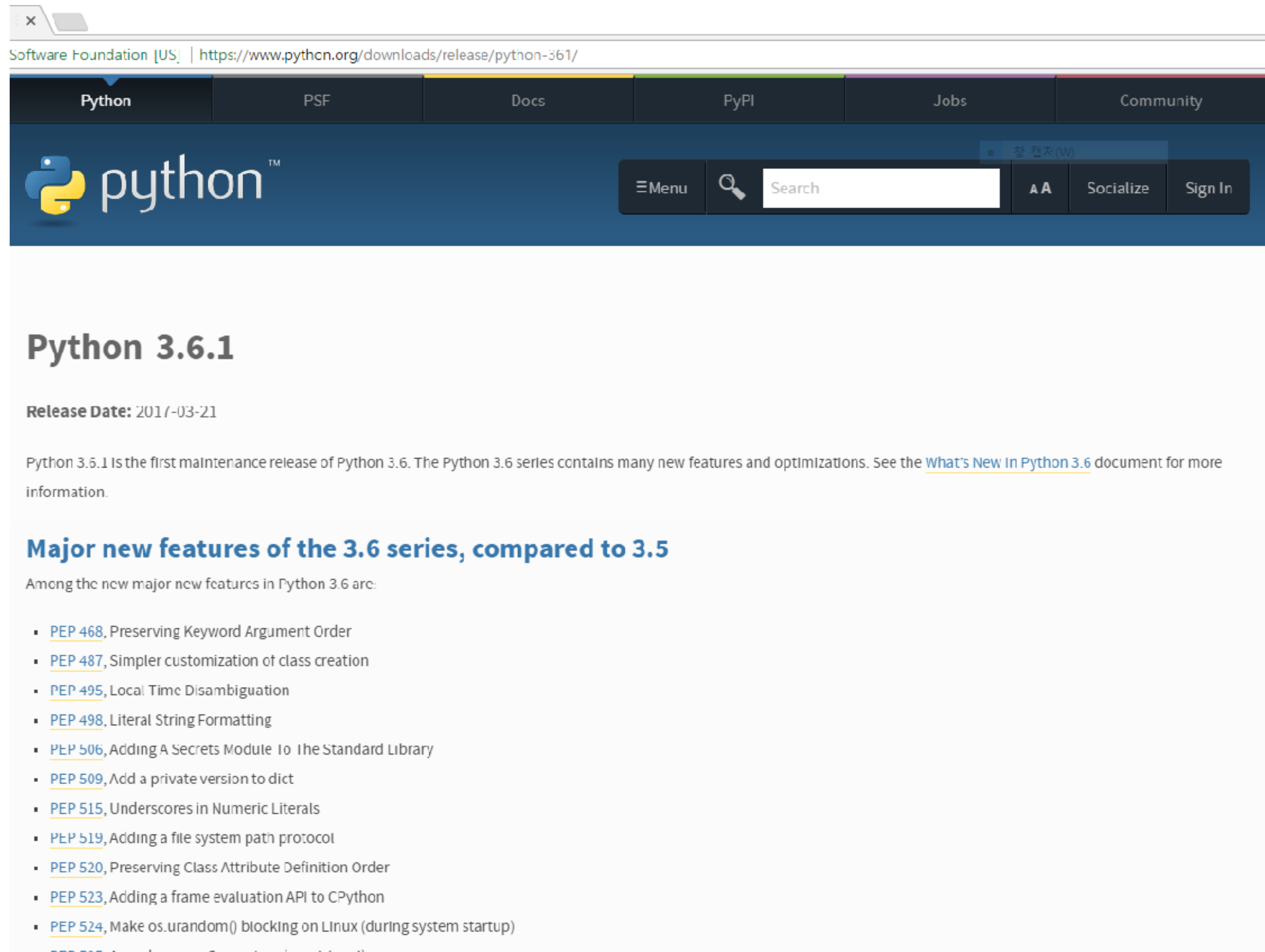
# Install Python

Python2는 2020년 공식 지원을 종료합니다.

Python을 처음 시작한다면 Python3를!

<https://www.python.org/dev/peps/pep-0373/>





The screenshot shows a web browser window with the URL <https://www.python.org/downloads/release/python-361/>. The page features a dark blue header with the Python logo and navigation links: Python, PSF, Docs, PyPI, Jobs, and Community. A search bar and social media links are also present. The main content area is white and contains the following text:

## Python 3.6.1

**Release Date:** 2017-03-21

Python 3.6.1 is the first maintenance release of Python 3.6. The Python 3.6 series contains many new features and optimizations. See the [What's New In Python 3.6](#) document for more information.

### Major new features of the 3.6 series, compared to 3.5

Among the new major new features in Python 3.6 are:

- [PEP 468](#), Preserving Keyword Argument Order
- [PEP 487](#), Simpler customization of class creation
- [PEP 495](#), Local Time Disambiguation
- [PEP 498](#), Literal String Formatting
- [PEP 506](#), Adding A Secrets Module To The Standard Library
- [PEP 509](#), Add a private version to dict
- [PEP 515](#), Underscores in Numeric Literals
- [PEP 519](#), Adding a file system path protocol
- [PEP 520](#), Preserving Class Attribute Definition Order
- [PEP 523](#), Adding a frame evaluation API to CPython
- [PEP 524](#), Make `os.urandom()` blocking on Linux (during system startup)
- [PEP 535](#), Anonymous Generators (experimental)

Software Foundation [US] | <https://www.python.org/downloads/release/python-361/>

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
<a href="#">Gzipped source tarball</a>	Source release		2d0fc9f3a5940707590e0703ecb08b9	22540566	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		692b4fc3a2ba0d54d1495d4ead5b0b5c	16872064	<a href="#">SIG</a>
<a href="#">Mac OS X 64-bit/32-bit Installer</a>	Mac OS X	for Mac OS X 10.6 and later	6dd08e7027d2a1b3a2c02cfacbe611ef	27511848	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		69082441d723060fb333dcda8815105e	7986690	<a href="#">SIG</a>
<a href="#">Windows x86-64 embeddable zip file</a>	Windows	for AMD64/EM64T/x64, not Itanium processors	708496ebbe9a730d19d5d288afd216f1	6926999	<a href="#">SIG</a>
<a href="#">Windows x86-64 executable Installer</a>	Windows	for AMD64/EM64T/x64, not Itanium processors	ad69fdacde90f2ce8286c279b11ca188	31392272	<a href="#">SIG</a>
<a href="#">Windows x86-64 web-based Installer</a>	Windows	for AMD64/EM64T/x64, not Itanium processors	a055a1a0e938e74c712a1c495261ae6c	1312520	<a href="#">SIG</a>
<a href="#">Windows x86 embeddable zip file</a>	Windows		8dff09a1b19b7a7dcb915765328484cf	6320763	<a href="#">SIG</a>
<a href="#">Windows x86 executable installer</a>	Windows		3773db079c173bd6d8a631896c72a88f	30453192	<a href="#">SIG</a>
<a href="#">Windows x86 web-based installer</a>	Windows		f58f019335f39e0b45a0ae68027888d7	1287064	<a href="#">SIG</a>

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Audio/Visual Talks

Beginner's Guide

Developer's Guide

FAQ

Non-English Docs

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Mailing Lists

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Special Interest Groups

Python Wiki

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Business

Education

Engineering

Government

Scientific

Software Development

Python News

Community News

PSF News

PyCon News

Events

Python Events

Python 3.6.1 (64-bit) Setup

# Install Python 3.6.1 (64-bit)

Select Install Now to install Python with default settings, or choose Customize to enable or disable features.

**Install Now**

C:\Users\choi\AppData\Local\Programs\Python\Python36

Includes IDLE, pip and documentation  
Creates shortcuts and file associations

→ Customize installation  
Choose location and features

☒ Install launcher for all users (recommended)

☒ Add Python 3.6 to PATH

Ca



Python 3.6.1 (64-bit) Setup



## Optional Features

☒ Documentation

Installs the Python documentation file.

☒ pip

Installs pip, which can download and install other Python package

☒ tcl/tk and IDLE

Installs tkinter and the IDLE development environment.

☒ Python test suite

Installs the standard library test suite.

☒ py launcher ☒ for all users (requires elevation)

Installs the global 'py' launcher to make it easier to start Python.

Back

Next

Ca

Python 3.6.1 (64-bit) Setup


## Advanced Options

- ☒ Install for all users
- ☒ Associate files with Python (requires the py launcher)
- ☒ Create shortcuts for installed applications
- ☒ Add Python to environment variables
- ☒ Precompile standard library
- ☐ Download debugging symbols
- ☐ Download debug binaries (requires VS 2015 or later)

Customize install location

Browse...

Back

 Install

Cancel



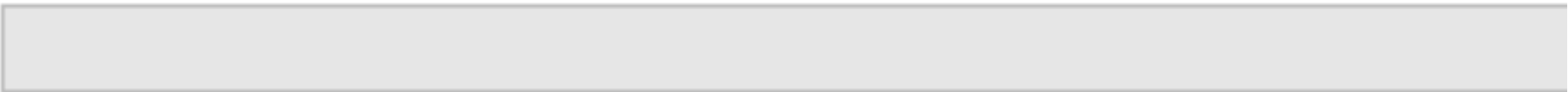
Python 3.6.1 (64-bit) Setup



# Setup Progress

Installing:

Python 3.6.1 Core Interpreter (64-bit)



Cancel

Python 3.6.1 (64-bit) Setup



# Setup was successful

Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS.

New to Python? Start with the [online tutorial](#) and [documentation](#).

See [what's new](#) in this release.



## Disable path length limit

Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX\_PATH" limitation.

Close

---

## Windows PowerShell

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\#Users\#choi> python
Python 3.6.1 (v3.6.1:69c0db5, Mar 21 2017, 18:41:36) [M
Type "help", "copyright", "credits" or "license" for mo
>>>
```

## Windows PowerShell

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

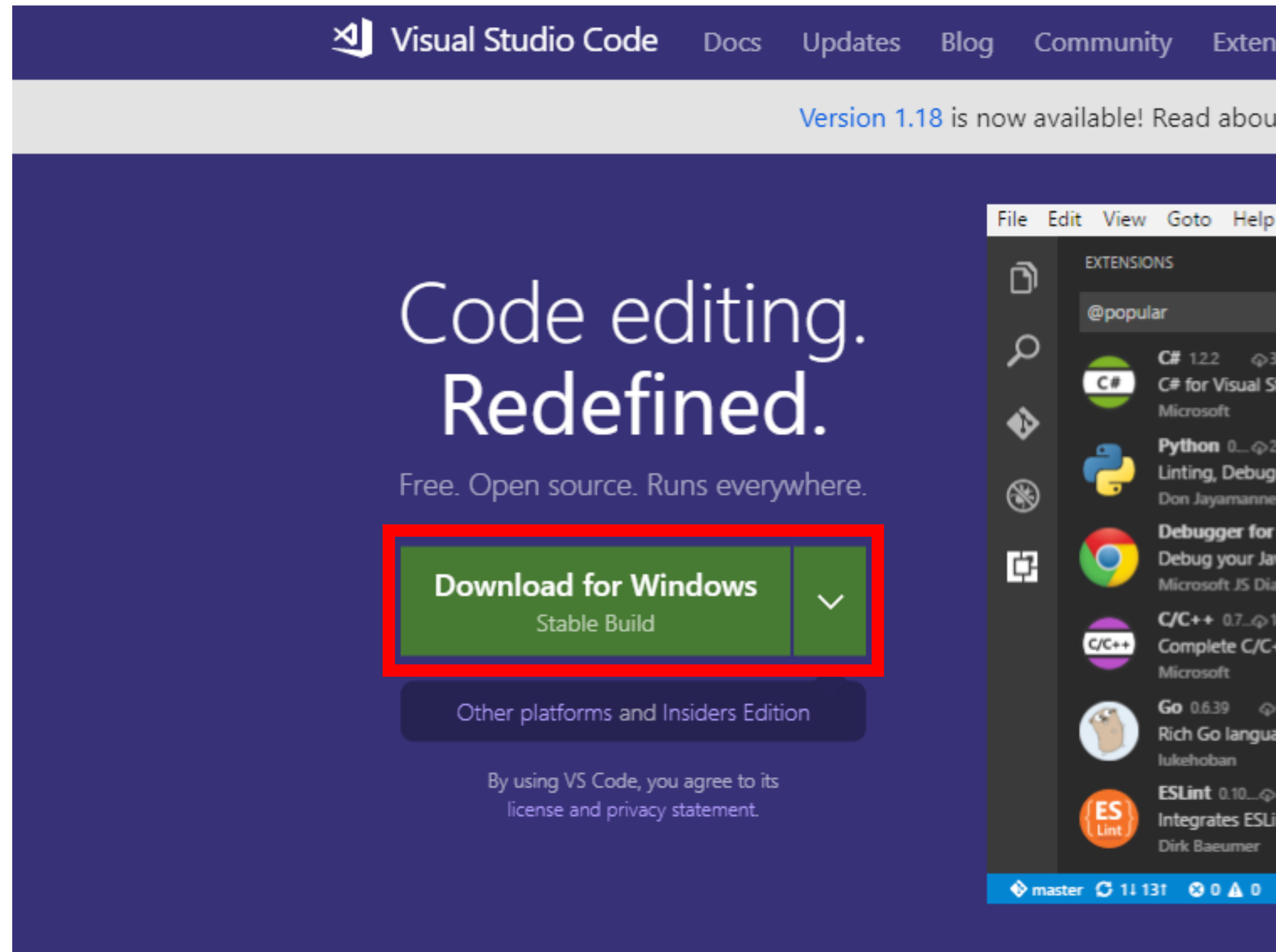
PS C:\Users\#choi> python
Python 3.6.1 (v3.6.1:69c0db5, Mar 21 2017, 18:41:36) [MS
Type "help", "copyright", "credits" or "license" for mo
>>> exit()
PS C:\Users\#choi> pip --version
pip 9.0.1 from c:\#python36\lib\site-packages (python 3.6
PS C:\Users\#choi>
```

# Install VS Code

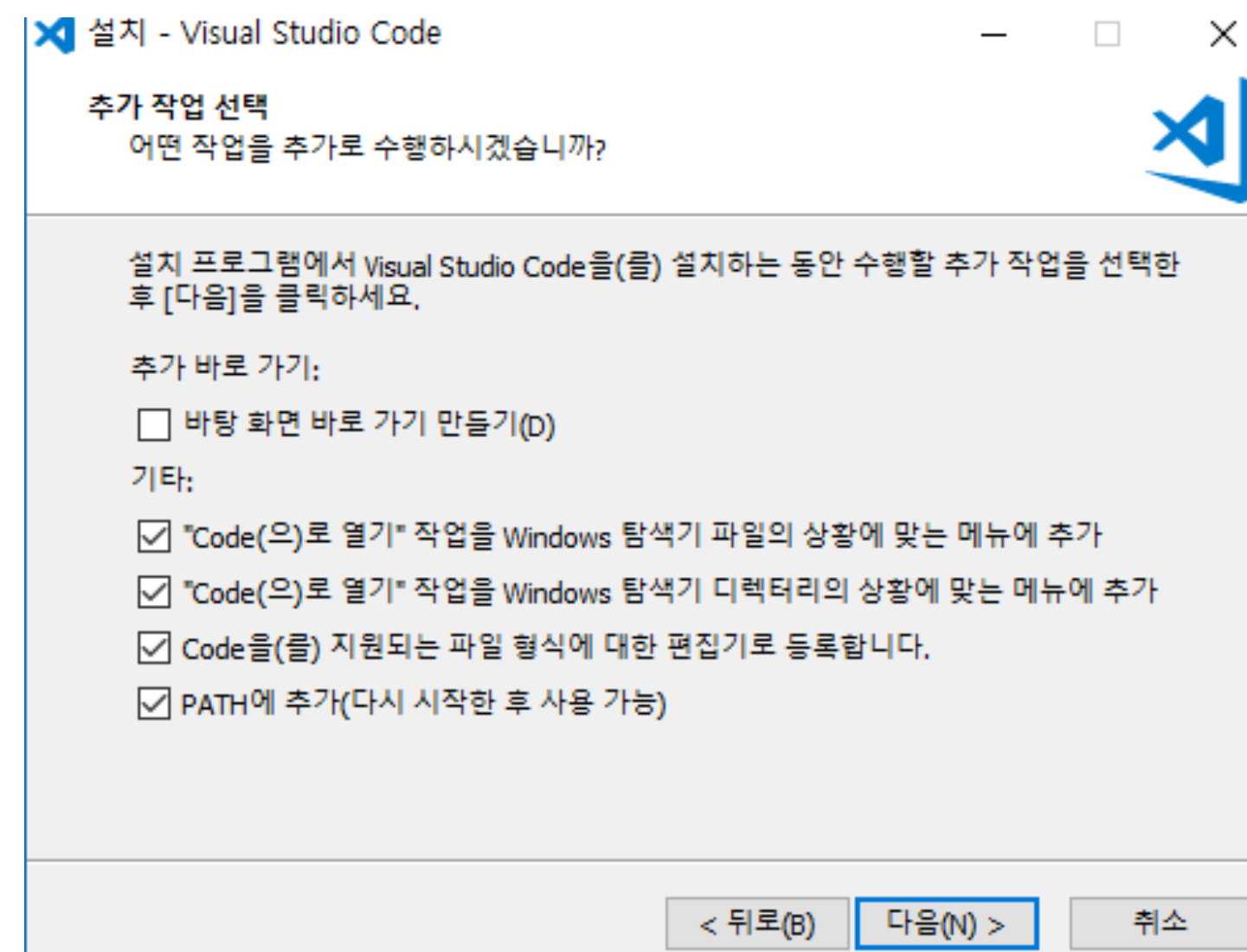
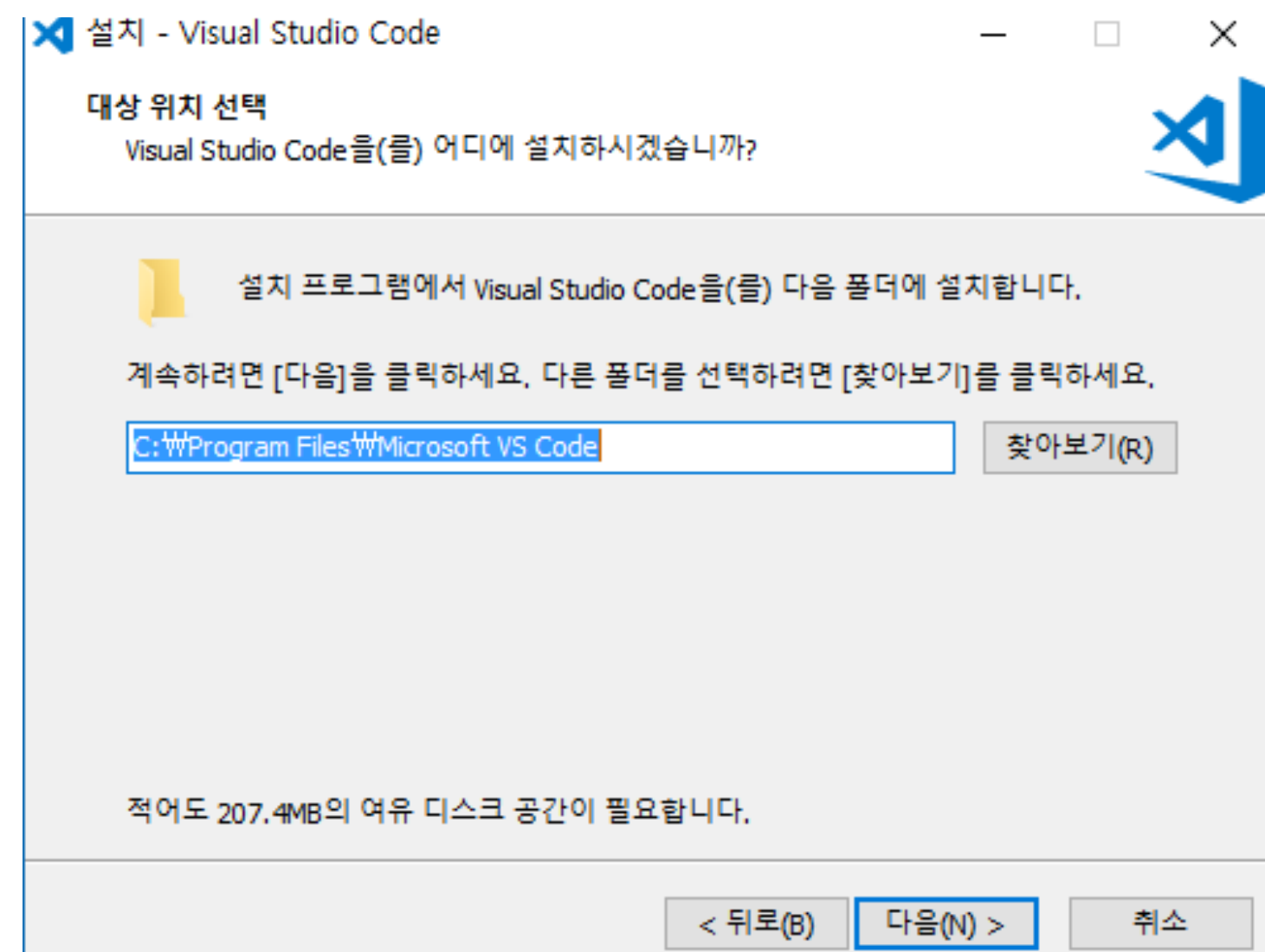
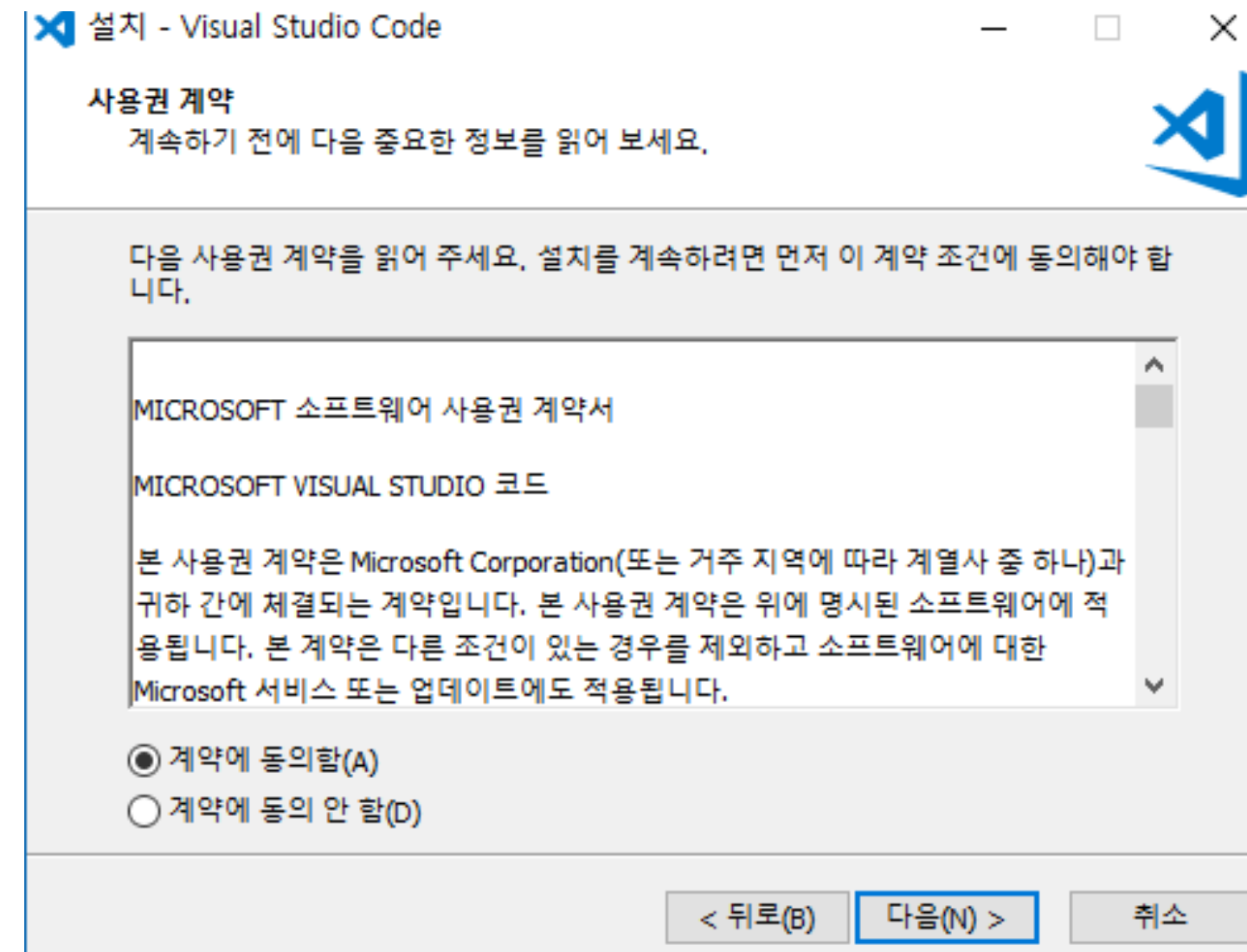
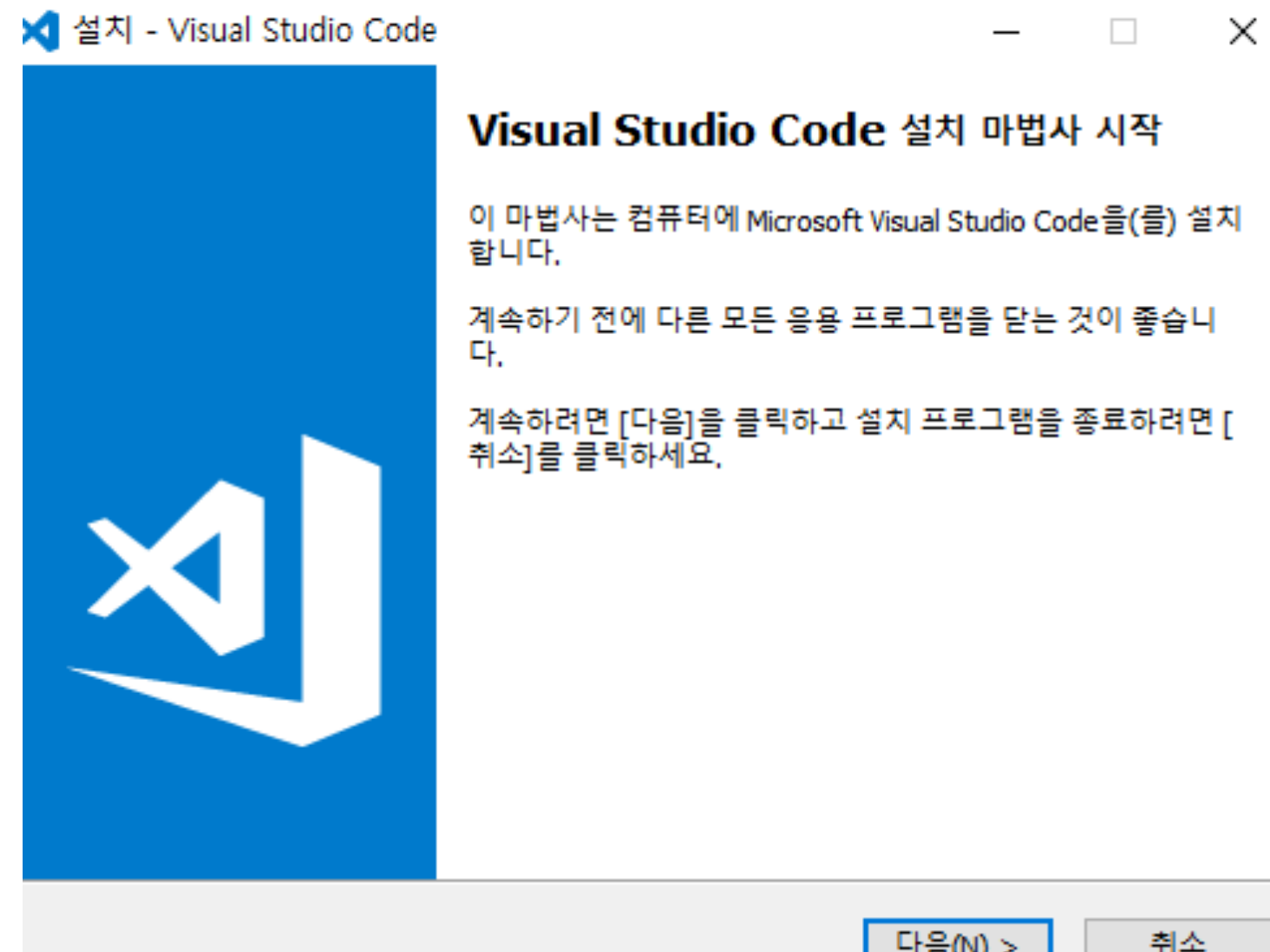
<https://code.visualstudio.com/>

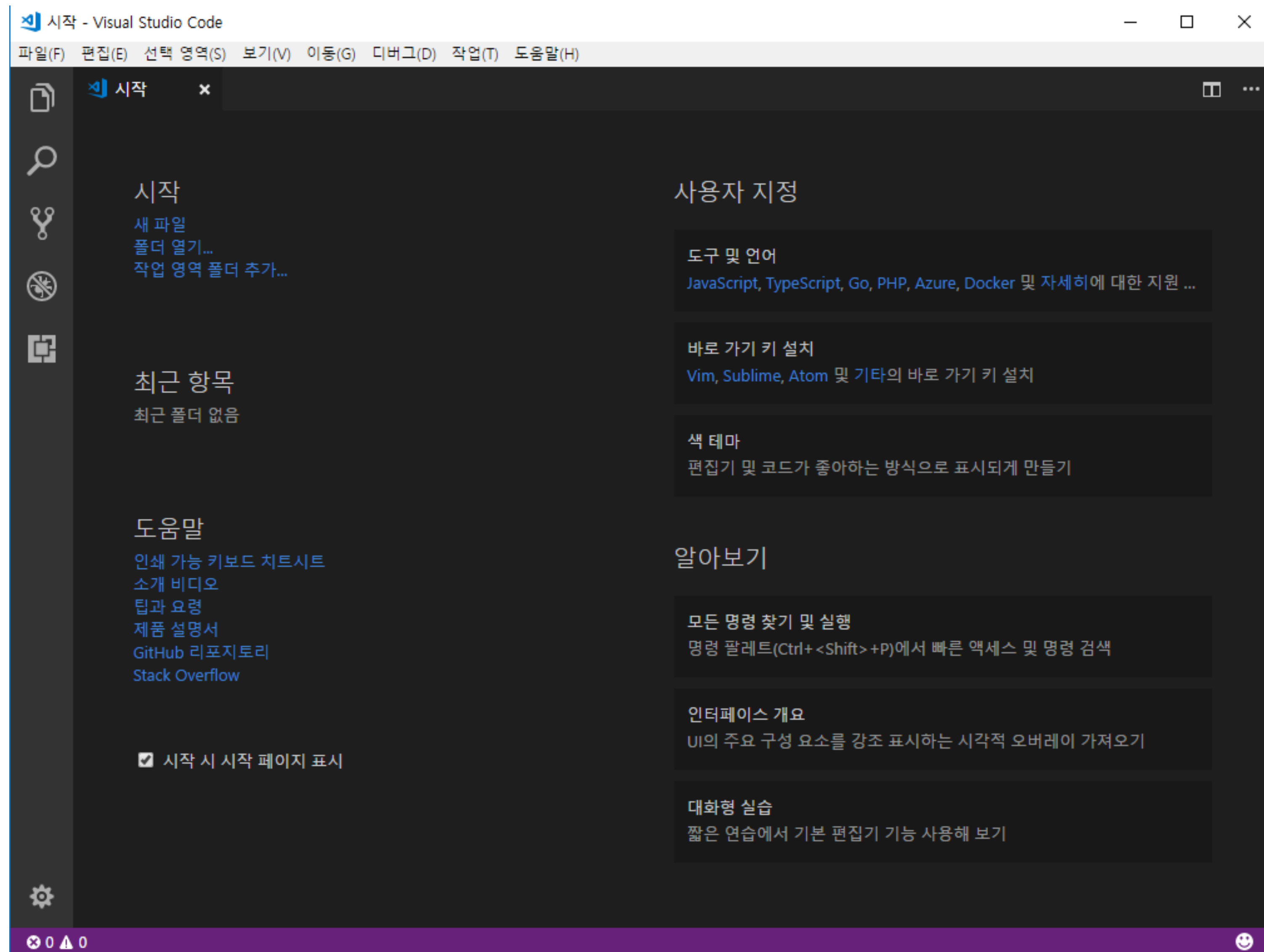


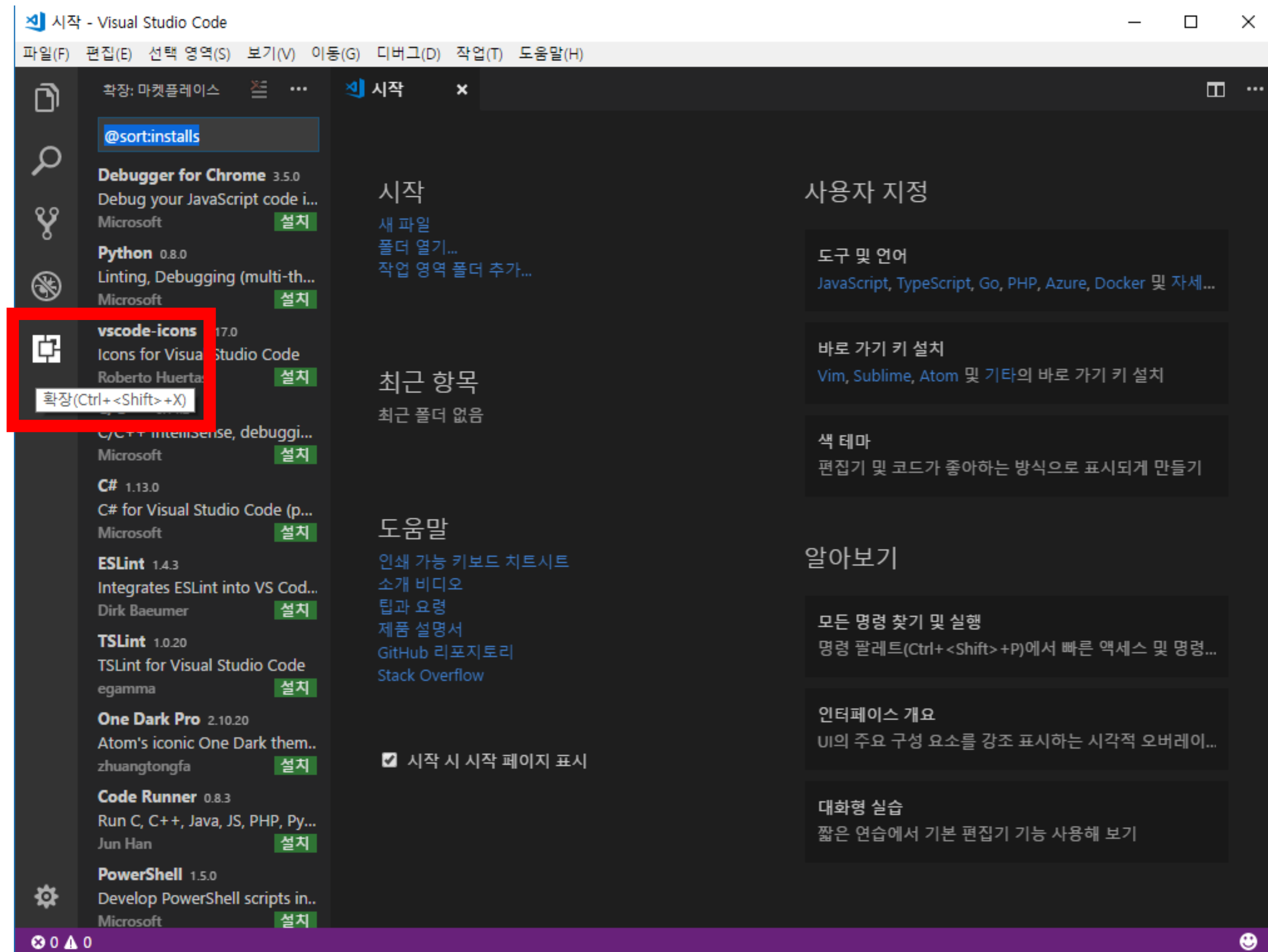




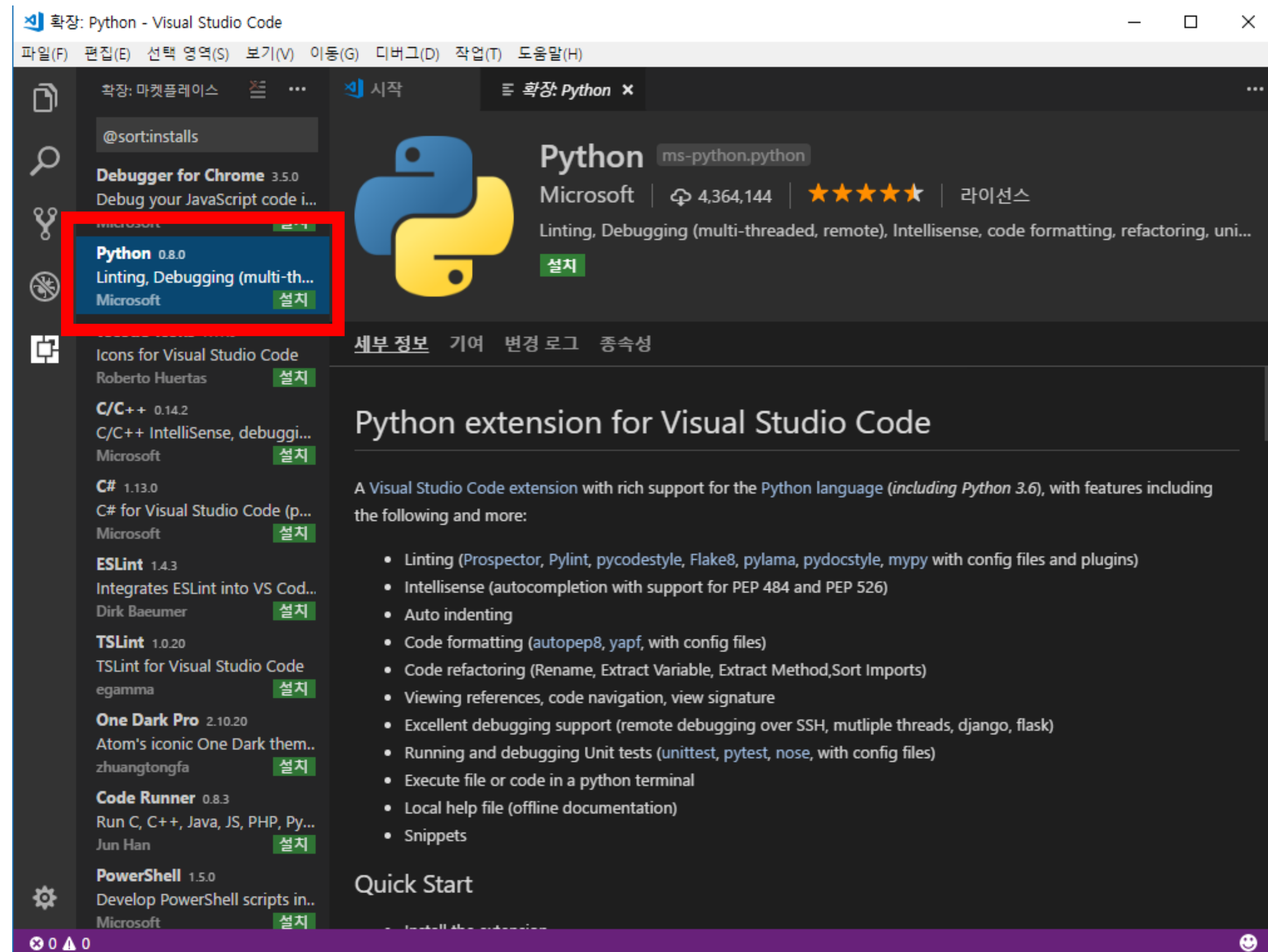
The image is a screenshot of the Visual Studio Code website. At the top, there is a dark blue navigation bar with the Visual Studio Code logo and links for Docs, Updates, Blog, Community, and Extensions. Below this is a light gray banner announcing 'Version 1.18 is now available! Read about it'. The main content area has a dark blue background with the text 'Code editing. Redefined.' in large white font, followed by 'Free. Open source. Runs everywhere.' in a smaller white font. A green button with the text 'Download for Windows' and 'Stable Build' is highlighted with a red rectangular border. To the right of this button is a small green square containing a white downward-pointing chevron. Below the green button is a dark blue button with the text 'Other platforms and Insiders Edition'. At the bottom of the main content area, there is a line of text: 'By using VS Code, you agree to its license and privacy statement.' On the right side of the screenshot, there is a partial view of the Visual Studio Code interface, showing the 'EXTENSIONS' sidebar with a search bar containing '@popular'. Below the search bar, several extensions are listed, including C# 1.2.2 by Microsoft, Python 0.10.2 by Don Jayamanne, Debugger for Chrome by Microsoft JS Diagnostics, C/C++ 0.7.1 by Microsoft, Go 0.6.39 by Rich Go language, and ESLint 0.10.0 by Dirk Baumer. The bottom status bar of the interface shows 'master', '11 131', and '0 0 0'.



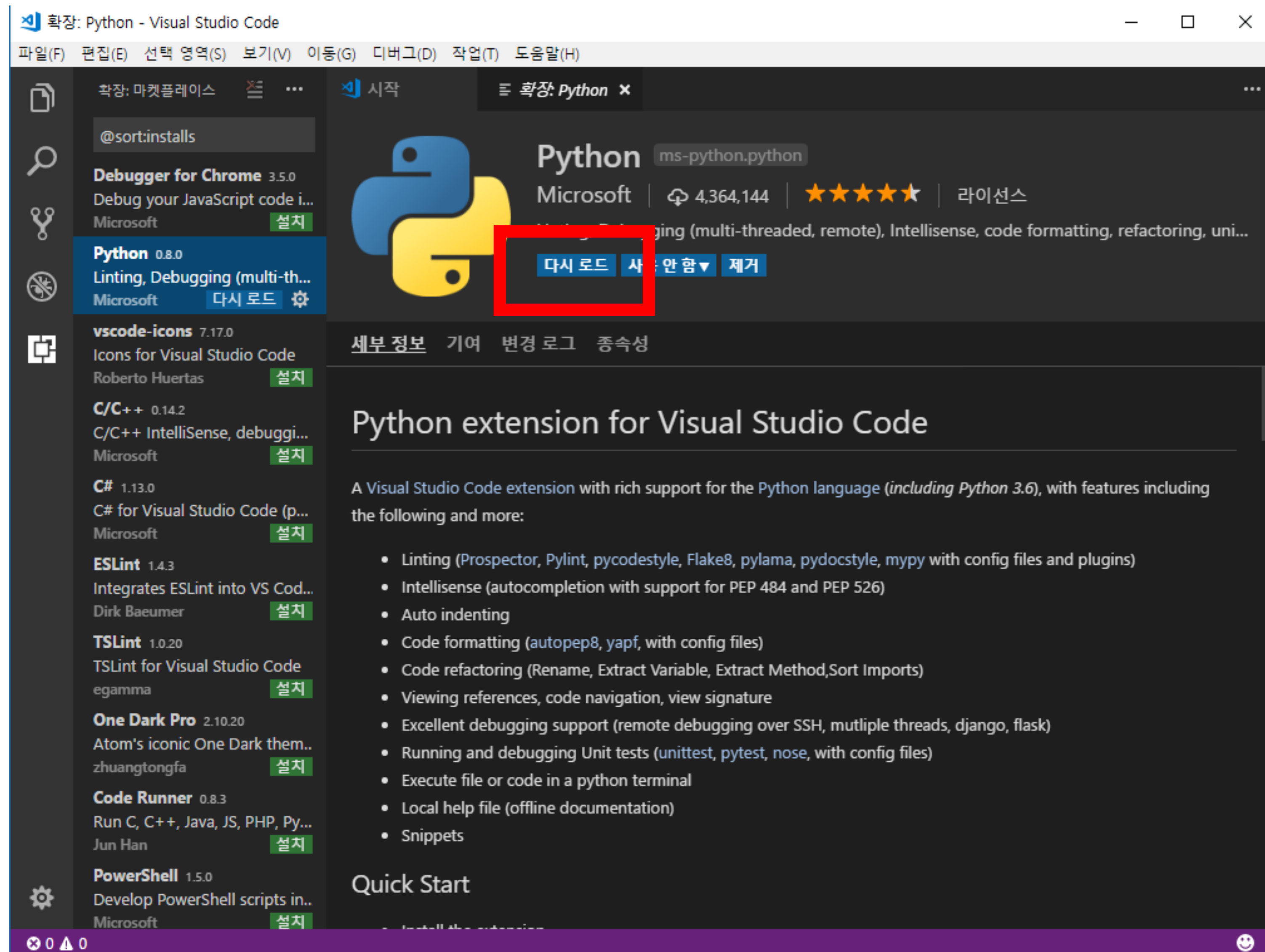


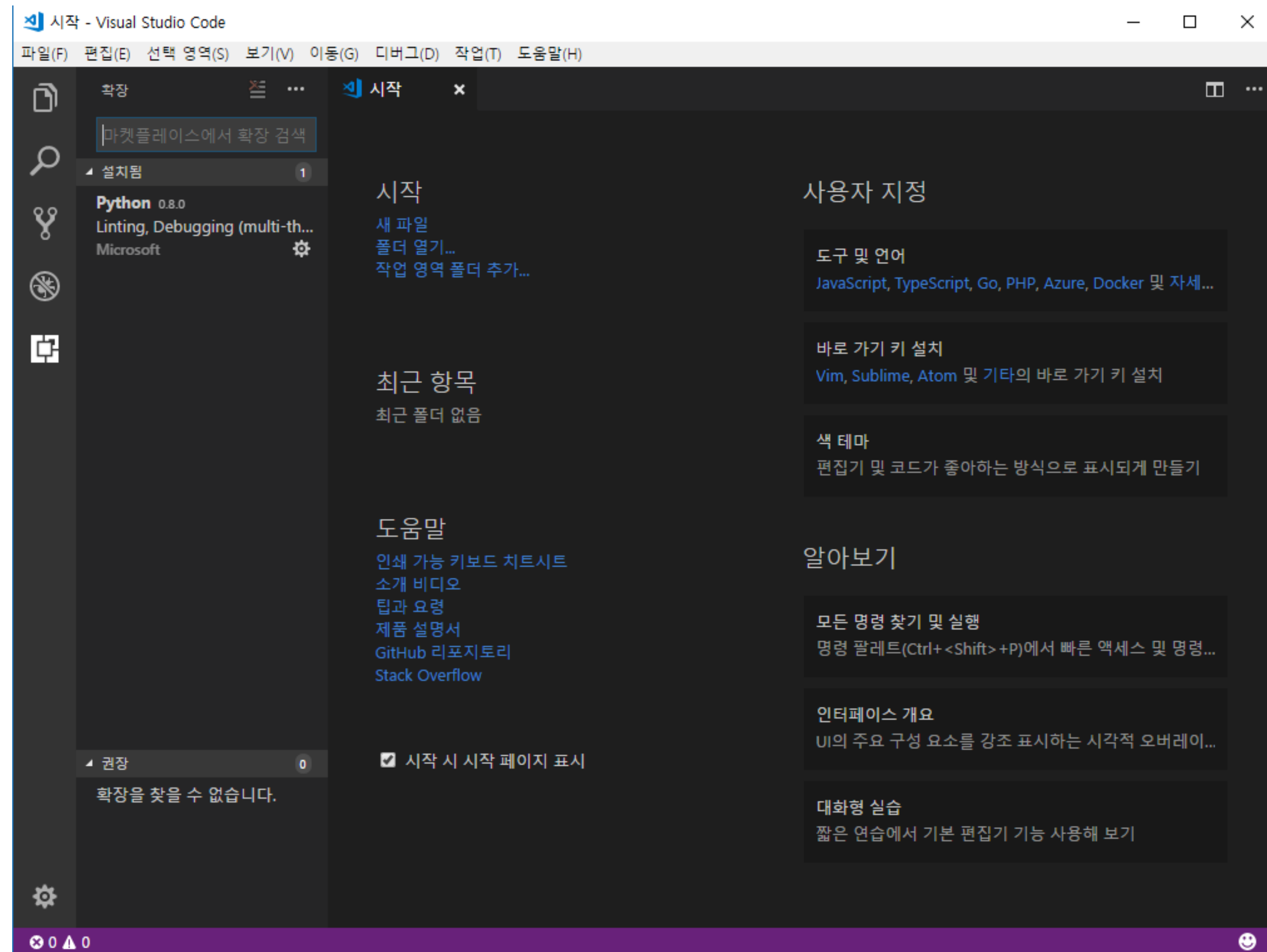


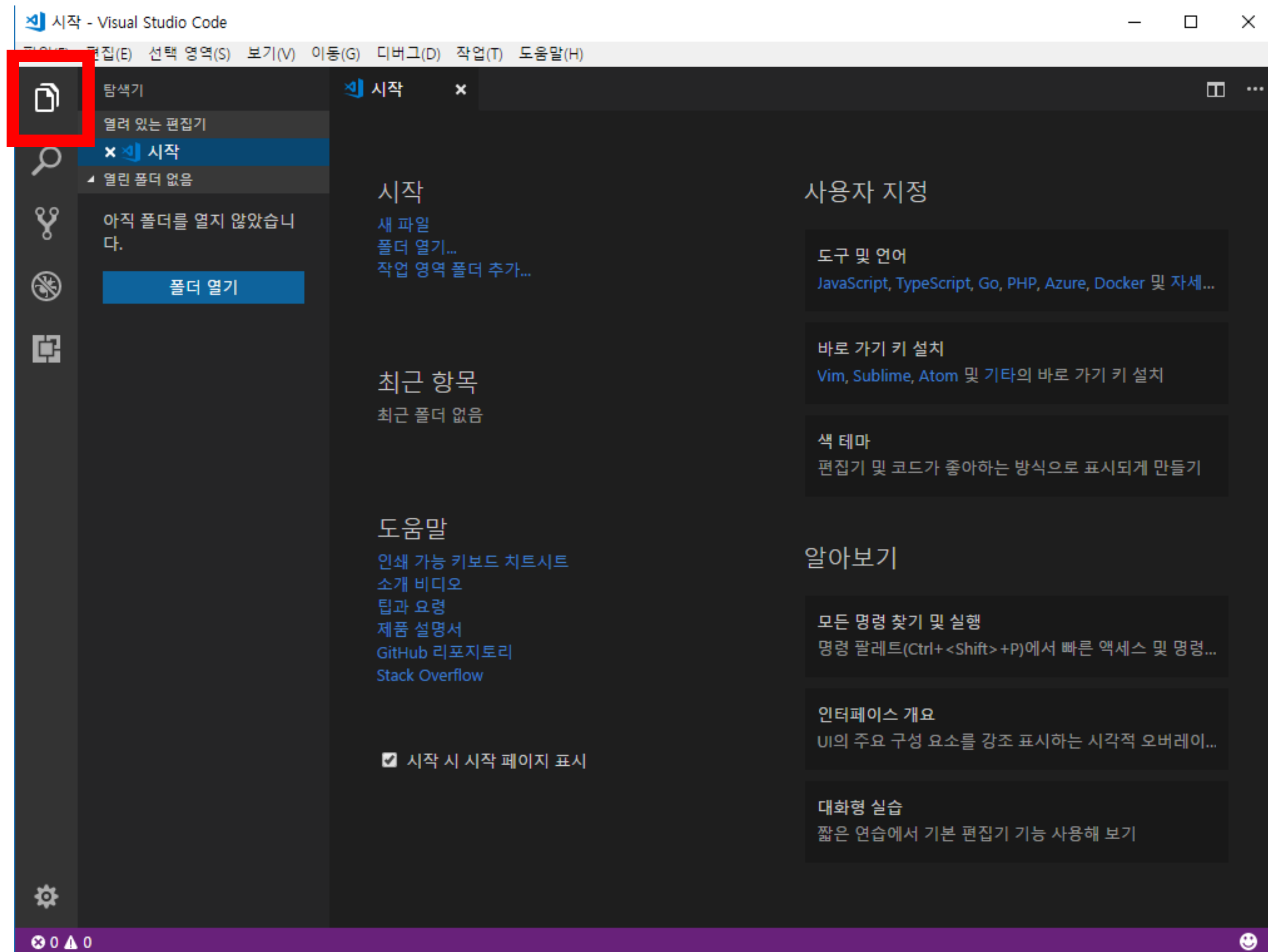


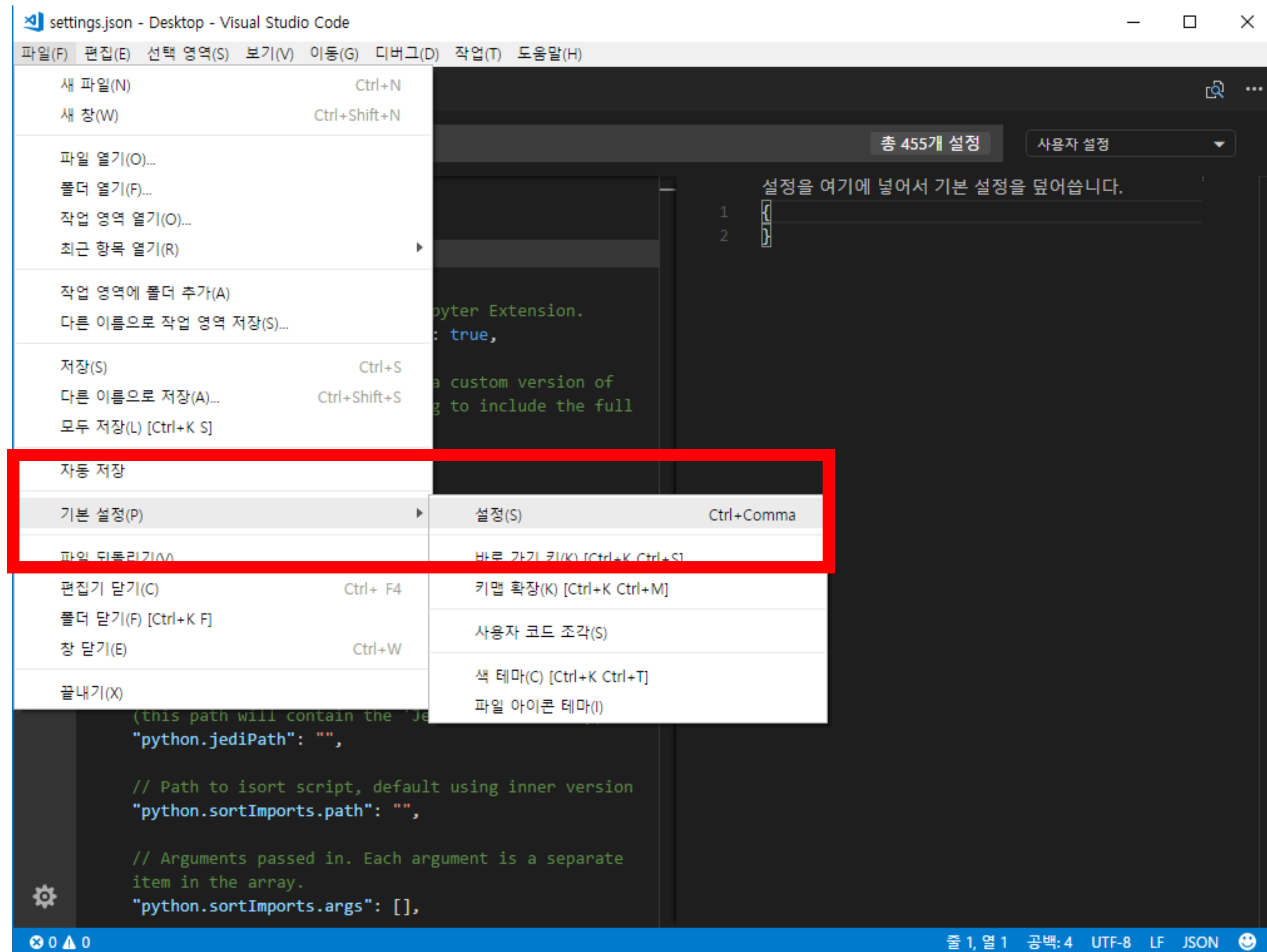


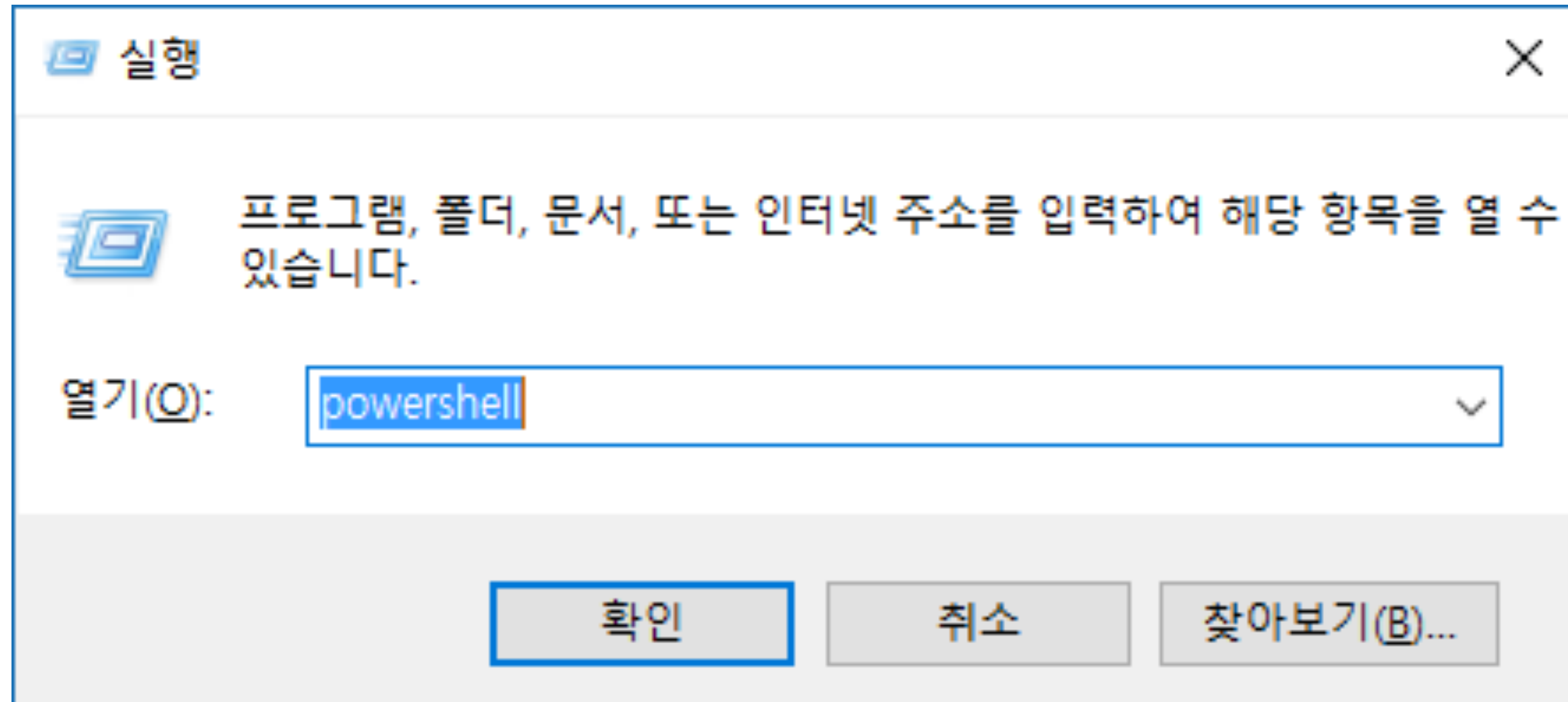














Windows PowerShell

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\choi> get-command python

CommandType	Name	Version	Source
Application	python.exe	3.6.115.0	C:\Python36\python.exe

PS C:\Users\choi>

js.json - Desktop - Visual Studio Code

(E) 선택 영역(S) 보기(V) 이동(G) 디버그(D) 작업(T) 도움말(H)

사용자 설정

설정 검색

총 455개 설정

사용자 설정

기본 구성 재정의 (6)

Git (13)

Python Configuration (81)

```
// Display prompt to install Jupyter Extension.
"python.promptToInstallJupyter": true,

// Path to Python, you can use a custom version of Python by
// modifying this setting to include the full path.
"python.pythonPath": "python",

// Path to folder with a list of Virtual Environments (e.g.
// ~/.pyenv, ~/Envs, ~/.virtualenvs).
"python.venvPath": "",

// Absolute path to a file containing environment variable
// definitions.
"python.envFile": "${workspaceRoot}/.env",

// Path to directory containing the Jedi library (this path will
// contain the 'Jedi' sub directory).
"python.jediPath": "",

// Path to isort script, default using inner version
"python.sortImports.path": "",

// Arguments passed in. Each argument is a separate item in the
// array.
"python.sortImports.args": [],

// Python path to use for the Python interpreter.
"python.pythonPath": "C:\\Python36\\python.exe"
```

1

2

3

설정을 여기에 넣어서 기본 설정을 덮어씁니다.

"python.pythonPath": "C:\\Python36\\python.exe"

줄 1, 열 1    공백: 4    UTF-8    LF

파일로 저장

↑ &gt; 내 PC &gt; 바탕 화면



바탕 화면 검색

새 폴더



일치하는 항목이 없습니다.

로드

상

화면

디스크 (C:)

VES (D:)

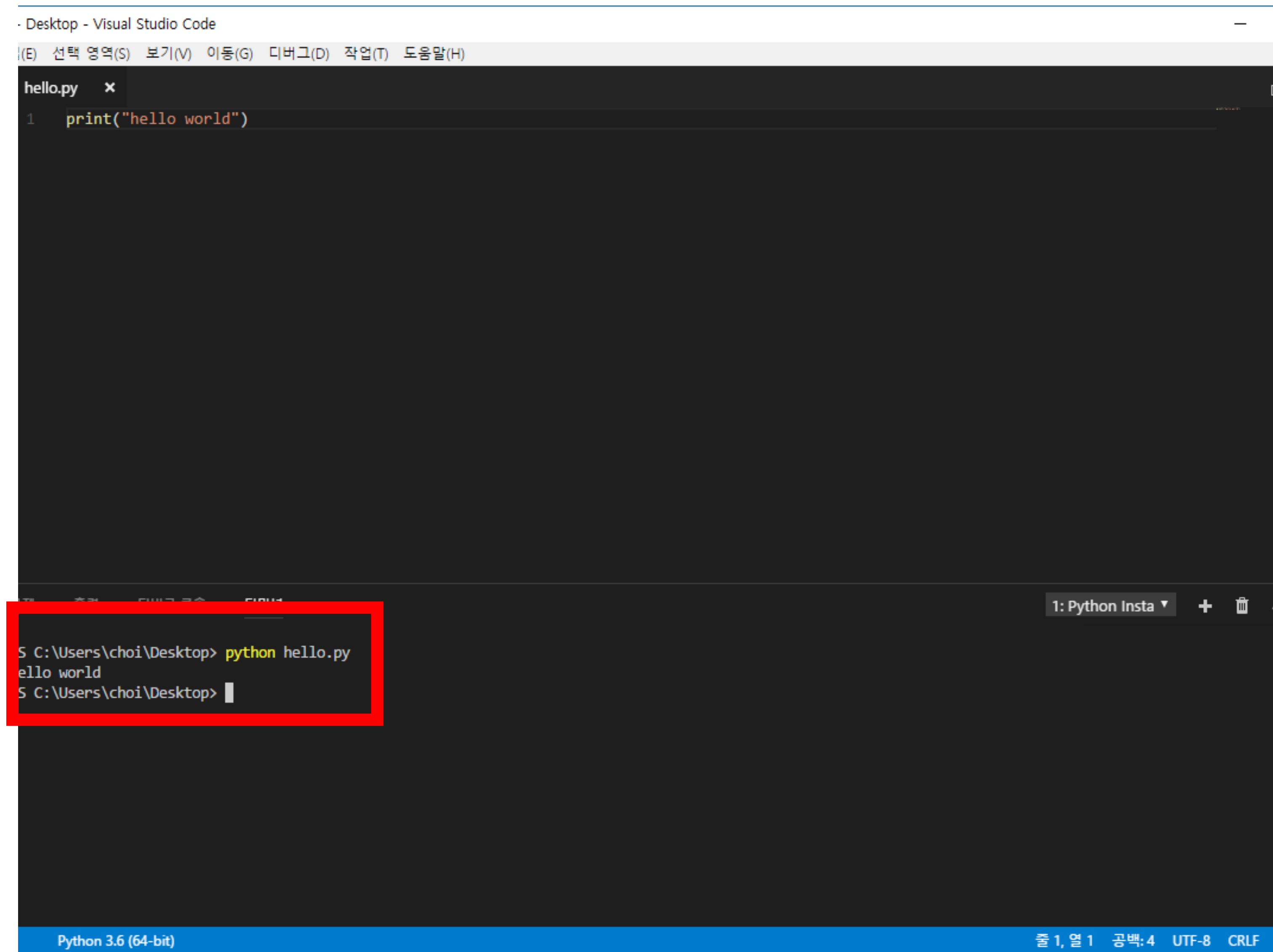
(E:)

이름(N): hello

형식(I): Python

[기

저장(S)



The image shows a screenshot of the Visual Studio Code editor. The main editor window displays a file named `hello.py` with the following code:

```
1 print("hello world")
```

Below the editor, the integrated terminal is open, showing the command `python hello.py` being executed. The output of the command is `hello world`. The terminal window is highlighted with a red rectangle.

The status bar at the bottom indicates the Python version is 3.6 (64-bit) and the file encoding is UTF-8.

# Install Jupyter

`pip install jupyter`

