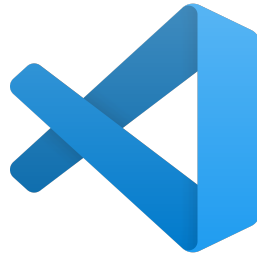


# Ultimate VSCode Cheat Sheet

If you want to learn VSCode with Python, then join our course: [Python for Data Science Automation \(DS4B 101-P\)](#).



## New Project Setup

Take these steps every time to build your Python Project.



## Command Palette

Get Command Palette

- Settings > Command Palette
- Ctrl/Cmd + Shift + P



## Select the Python Interpreter



Requires Python Extension

- Make a Conda Environment (optional)
- Python: Select Interpreter

## Edit Workspace Settings

- Preferences: Open Workspace Settings (JSON)



## Essential Shortcuts

1	Get Command Palette	Ctrl/Cmd + Shift + P
2	Run Code	Shift + Enter
3	Find (In Current File)	Ctrl/Cmd + F
4	Replace (In Current File)	Ctrl/Cmd + H
5	Find (In ALL Project Files)	Ctrl/Cmd + Shift + F
6	Replace (In ALL Project Files)	Ctrl/Cmd + Shift + H

## Recommended Workspace Settings for Python Projects



Requires Python Extension

Command Palette > Preferences: Open Workspace Settings (JSON)

Add this to settings.json:

```
{
  "jupyter.notebookFileRoot": "${workspaceFolder}",
  "jupyter.sendSelectionToInteractiveWindow": true
}
```

What it does:

- **Uses workspace folder** as the root directory for your projects. This allows for file paths to start from your project directory.
- **Sends code selections** from .py script files to your Jupyter Interactive Session instead of the Terminal.

# Essential Extensions

VSCODE Marketplace



## Python Extensions



1. [Python](#): An extension pack that contains important extensions including Python, Pylance, and Jupyter. Required for:
  - o Python: Select Interpreter
  - o Jupyter Integration
  - o Python in Terminal
2. [Python Extension Pack](#): Contains:
  - o Python (Microsoft's Python Pack)
  - o Jinja, Django
  - o Visual Studio Intellicode
  - o Python Docstring Generator (used for docstrings)
  - o Python Indent (for correct indenting)
3. [Magic Python](#): Syntax highlighting for Python
4. [Python Environment Manager](#): View and Manage Python Environments

## File & File Previews



1. [Path Autocomplete](#): Autocomplete Paths
2. [Live Preview](#): Preview HTML Files quickly
3. [vscode-pdf](#): Display PDF Files
4. [Excel Viewer](#): View Excel and CSV Files
5. **Markdown**:
  - o [Markdown All in One](#): Preview
  - o [Markdown PDF](#): Covert Markdown to PDF
  - o [markdownlint](#): Show errors in code

## Themes & Icons



Themes:

1. [One Dark Pro](#)
2. [Github Theme](#)

Icons:

1. [Material Icon Theme](#)
2. [VSCode Icons](#)

For more, search: @category:"Themes"

## Git & Docker



1. [GitLens](#): Visualize changes and compare files
2. [Docker](#): Syntax Highlighting, Container Management
3. [Remote - Containers](#): Use a Docker Container for development environments

## Cloud & Remote



1. [Remote - SSH](#): Connect to any folder on a remote machine
2. [AWS Toolkit](#)
3. [Azure Tools Extension Pack](#)
4. [Google Cloud \(Cloud Code\)](#)