



08. Running Python Code

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Discussing Several Environment, that can run Python Code

- There are 3 main types of environments
 - A. Text Editors**
Note: In this option, you just open the file and edit with general format. Such file are .txt Text file, .py Python script file, .html Web file, .js JavaScript file and many variant file types without auto complete. But you can customize with addon plugin and very light weight file size program (non-bloated).

Sublime Text	Atom
<div></div> <div>Sublime Text</div> <ul style="list-style-type: none">URL = https://www.sublimetext.com/Unlimited Trial with AdvertisementOption to PurchaseSee course video for Installation, Tour, Difference .py VS .pynb and Creation of .py file.	<div></div> <div>"DISCONTINUE"</div> <ul style="list-style-type: none">URL = https://github.blog/2022-06-08-sunsetting-atom/NO LONGER OFFICALY AVAILABLE

- B. Full IDEs (Integrated Development Environment)**
Note: In this option is for people working in company. Where it is specially build for the python, have larger file size program (bloated) and comes packed with all plugin addon functionality.

Pycharm

PyCharm

- **URL** = <https://www.jetbrains.com/pycharm/download/>
- **Pro** is Paid and more features like Django web framework or web development help.
- **Community Edition** is Free and limited.
- **Feature URL** = <https://www.jetbrains.com/pycharm/features/> + <https://www.jetbrains.com/products/compare/?product=pycharm&product=pycharm-ce>

Choose your edition

	PyCharm Professional Edition	PyCharm Community Edition
Intelligent Python editor	✓	✓
Graphical debugger and test runner	✓	✓
Navigation and Refactorings	✓	✓
Code inspections	✓	✓
VCS support	✓	✓
Scientific tools	✓	
Web development	✓	
Python web frameworks	✓	
Python Profiler	✓	
Remote development capabilities	✓	
Database & SQL support	✓	

- **Cost URL** = <https://www.jetbrains.com/pycharm/buy/>

Spyder

spyder


The
Scientific
Python
Development
Environment

- **URL** = <https://www.spyder-ide.org/>
- Recommended for people who used MATLAB in python.

C. Notebook Environments

*Note: Majority of course using the **Jupyter Notebook (Classic)**. Also it will in learning python by initiating single to multiple code to see result.*

Jupyter Notebook Classic



- URL = <https://jupyter.org/>
- See course video for Difference .py VS .pynb , opening of .py file created in Sublime Text and using Shift + Enter feature.