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Install Python

Download Python | Python.org

Download the latest version for Windows

Looking for Python with a different OS? Python for Windows,
Linux/UNIX, macOS, Other

Want to help test development versions of Python? Prereleases,
Docker images
It’s important to add Python to the path.

Install vscode

Download Visual Studio Code - Mac, Linux, Windows
Some tutorial if needed

**Getting started with Visual Studio Code**

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**Setup vscode for Python**

- Open vscode
- Click on extensions button on the left hand side
- Search for Python
- Install the Python extension from Microsoft
Start a new workspace for a new Project

- Create a new project folder in hard drive
- Open vscode
- Click on Explorer on the left hand side
- Click on Open Folder
- Navigate to and select the newly created folder

Install required software packages

e.g., Pytorch
There are two broadly used commands to install software packages, pip and conda. Here we will discuss pip. Every software package website will provide the require command to install

But first we need to install some basic packages.

- Open terminal from vscode
- At the prompt run command

```
pip install numpy matplotlib pandas
```
Then install specific machine learning ecosystem. E.g., PyTorch.

Start Locally | PyTorch
Pip3 is an alias to pip. Either should work. If not, it’s safe to replace pip3 to pip in above command.

**Installation DONE!**
Start Coding

If typing the code from scratch
   • On the current window of vscode where the required folder has been opened
     o Click on new file and select file type

Happy Coding!

If trying out a notebook from internet
E.g., What is Question Answering? - Hugging Face

   • Download the notebook in the project folder
Save in the project folder saved in vscode. The file should then appear in the vscode explorer (in the left hand side)
Installing required software for the notebook

- If the notebook already contains pip commands as comments. We are good, the required software will install automatically.
- Remember to remove the pip commands from the notebook to avoid reinstalling on the next run.
- These pip commands can be copied and installed manually in the terminal as well (as shown earlier).
Before executing the notebook download from internet or our own, we need to select the kernel. This simply means we are selecting the programming language to run the code on e.g., Python, Julia.

Now simply select, Run All in the notebook.