

11-05-2025

→ Important

Agenda :-

→ Installation

→ Anaconda

or

→ Miniconda

→ VSCode

Python Distribution = Anaconda

Conda = package manager

VS Code = IDE

↳ Text editor

Environment = Separate Rooms for
separate projects

↳ (satisfies dependencies).

Tools

python → programming language

linux

↓

macOS

OS

windows

← python

→ Terminal → >> python → working → installed

→ not working →

python → time
↓
os yaml non

①
→ Anaconda

②
→ Miniconda ← imp.
→ Venv

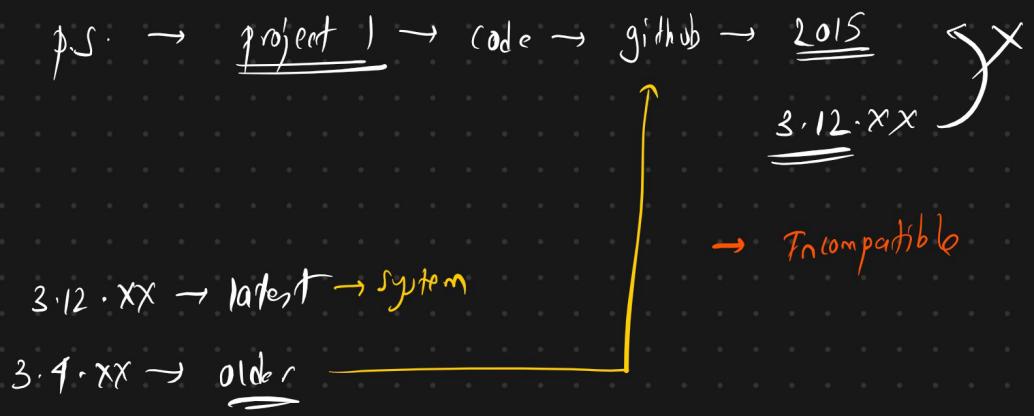
3.12.

bigger

↑
file size ↑
more libraries
tools other

smaller

↓
file size ↓
less libraries
NO tools



possible solutions :-

require some kind tool which will help us manage different pythons.

file:

! installation (Bnaconda) ✓

- take more time to download & install
- takes more space & ram
- tools

Android .io

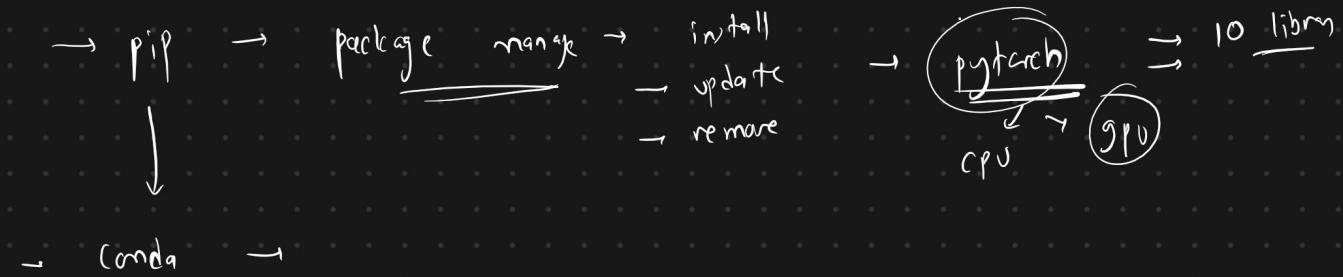
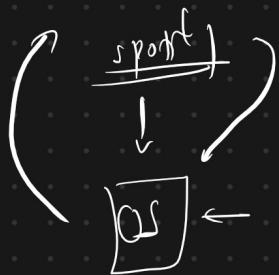
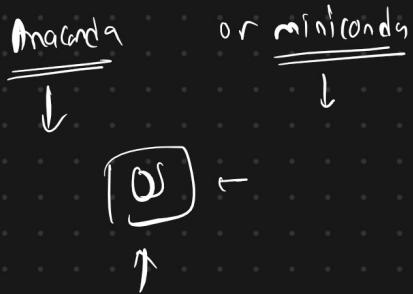
- bloatware
-

→ 100 libraries

installation (Miniconda) ✓

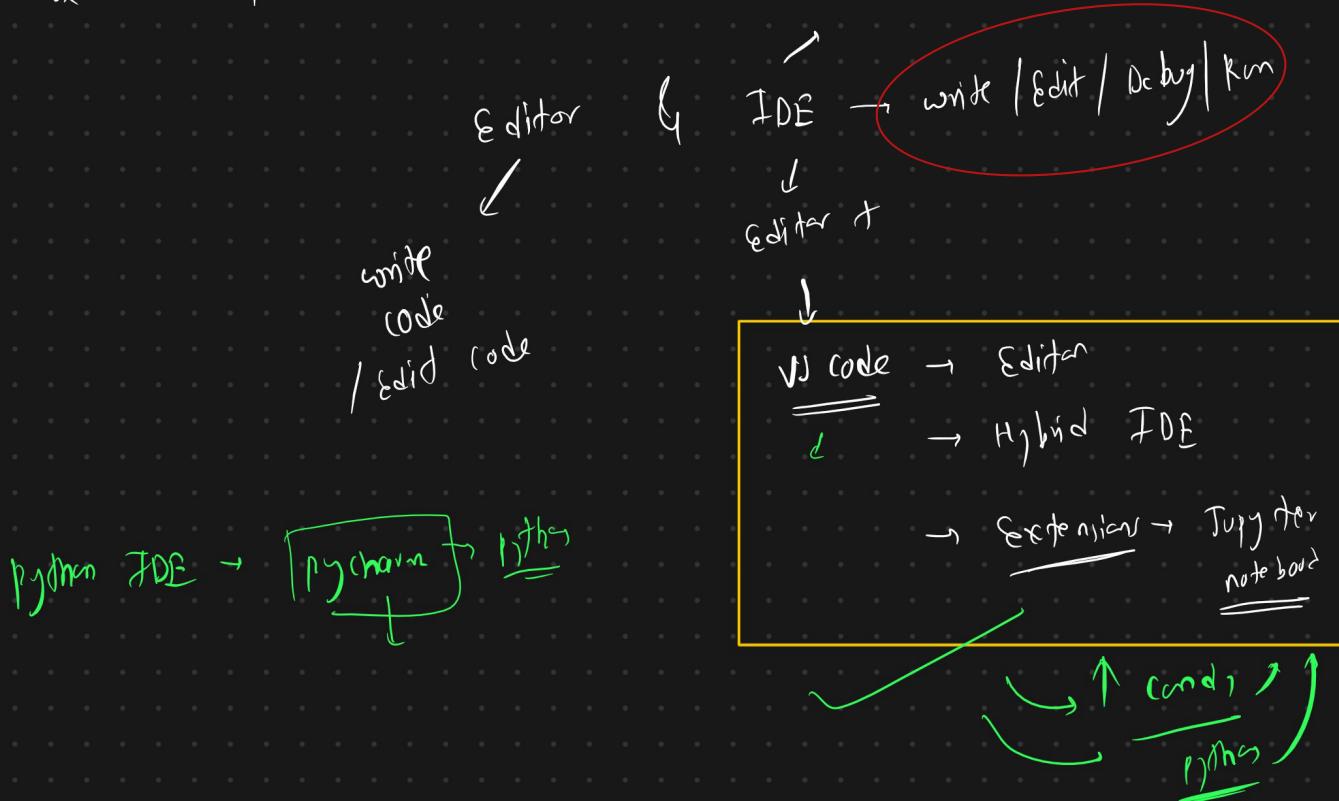
- less time & faster installation
- less space & ram
- less libraries

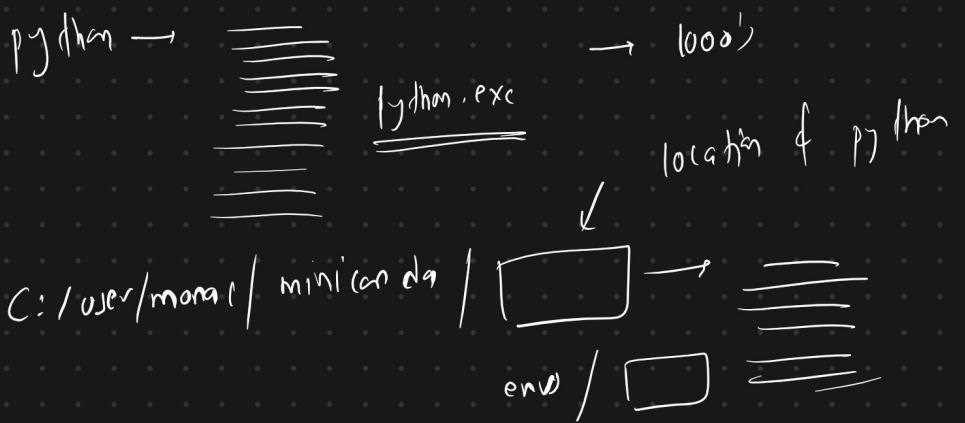
Conda is not working.



Tool - 2

* write, edit code Q, Diff b/w Editor & IDE





3.11 →  →

3.6 →  →

IPYNB =
INTERACTIVE PYTHON
ENVIRONMENT

* Create a new python environment

python = 3.11 , name = agentic-2-base

→ conda create -n agentic-2-base python = 3.11

agentic-2-base

↳ python-3.11.exe



Mac

conda create -p venv

* Python = 3.13 *

* Activate the newly created Environment

Conda activate name-of-environment

agentic-2-base

anaconda or Minicond^a → base - (2)

→ agentic-2-base

Q4 What is difference between
-p and -n
:input

-n = Default

-p = Can specify path.

agentic-2-base ← install

→ default

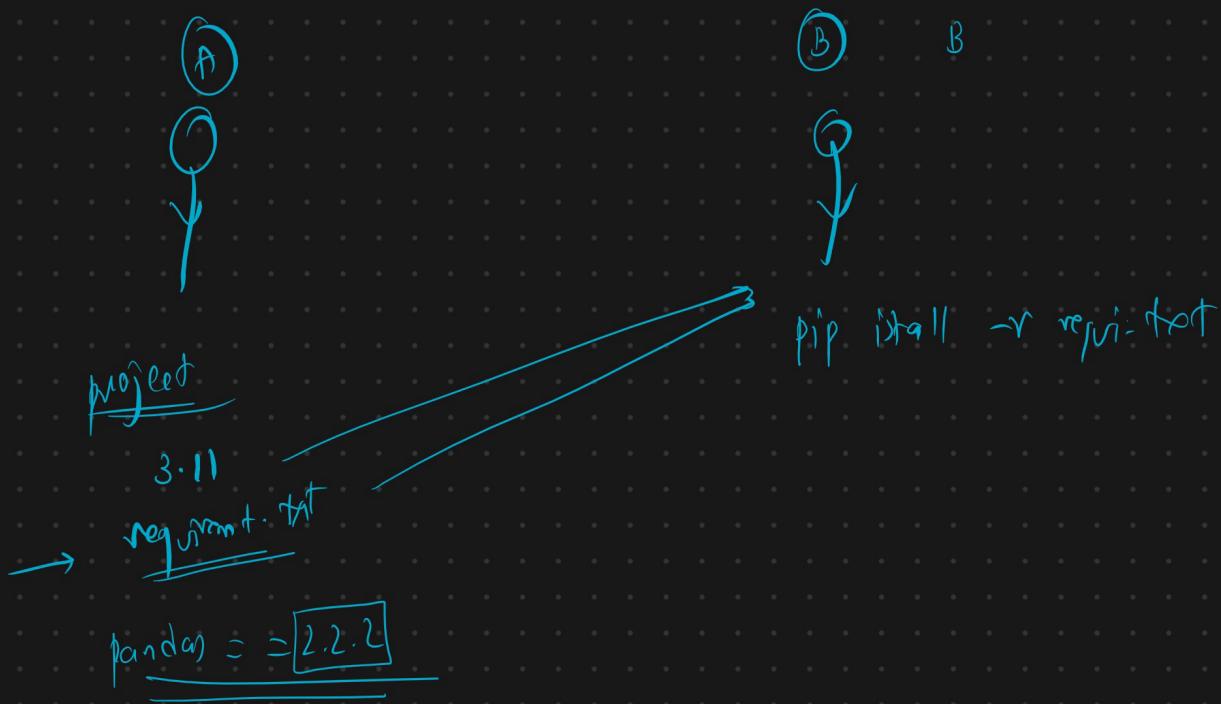
Conda create -p abcd001 python=3.11

↓
Current directory

(:location) abcd002

VIM:

↳ Conda env list → Shows list of Environments.



Important Commands

- Conda create -P venv Python = 3.13
default → -n → path
- conda deactivate
- Conda env list → check all env.
- Conda activate .. / / env. ↴

Requirements;

Then Activate

Requirements.txt

Pip install -r requirements.txt

Q: How to create list of requirements?

Pip freeze > requirements.txt.

Imp.
..