

python	pip	...
python3	numpy	jupyter

Terminal

Session 1

Session 2

Session ...

miniconda3  
conda

(1) Download: [miniconda3](#) (Linux-86\_64.sh)  
 (2) Install it: `$ zsh Miniconda3-latest-Linux-x86_64.sh`  
 (3) Initialize: `$ conda init zsh`  
 (4) re-start terminal: `$ source ~/.zshrc`  
*ps. use bash if you don't have zsh shell*

**(1)**  
 To be created on `~/User/xxx/miniconda3/envs/`  
`$ cd ~`  
`$ conda update --name base --channel defaults --yes conda`  
`$ conda create --name python3-env python=3.8 numpy=1.19`  
`$ conda create --name xxxxx-env pythonx package1 package2`

**(2)**  
 Or install conda environment **as a sub-directory** of the project  
`$ cd /path/to/your/project`  
`$ conda create --prefix ./env python=3.6 packageX=YY`  
`$ conda create --prefix ./env python=xx package 1 ...`

Create a new  
python  
enviroment?

Yes

No

Which python  
environment?

`$conda activate`

`$conda activate python3-env`

`$conda activate xxxx-env`

`$cd /path/to/project1`

`$conda activate ./env`

`$cd /path/to/project2`

`$conda activate ./env`

**base**

python 3.7.7  
pip 20.1.1

**python3-env**

python 3.8.3  
numpy=1.19

**xxxx-env**

python x  
package 1 ...

**project1**

python 3.6  
packageX=YY  
...

**project2**

python xx  
package1  
package2