

Conda + VScode Handbook

...

Tools


Python Virtual Environment Management Tool

1. [Miniconda - Download Link](#)
2. [Conda - command line](#) documentation

IDE

1. [VSCODE](#)

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help?



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Option (1) - Anaconda UI app

Distribution Installers

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Option (2) - command line tool

Miniconda Installers

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For installation assistance, refer to [troubleshooting](#).

Hi, how can I help?

Option (1) Anaconda UI

1. Click "Create" here

2. Enter the ENV name here

3. Select "Python" packages

4. Create the environment

ANACONDA.NAVIGATOR

Home

Environments

Learning

Community

Search Environments

base (root)

Search Packages

Installed Channels Update index...

Create new environment

Name: New environment name

Location:

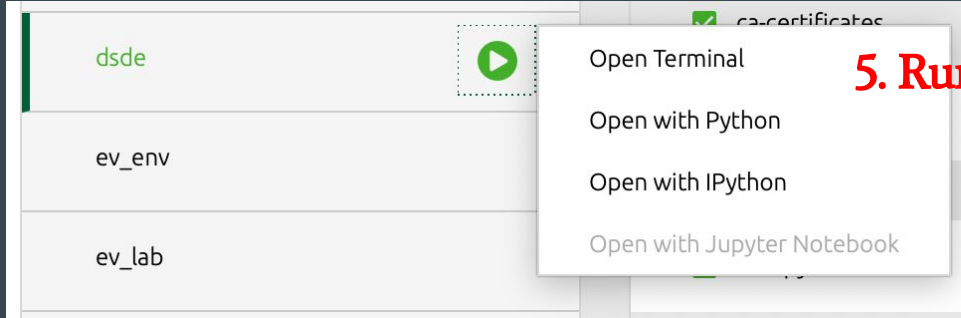
Packages: ☒ Python 3.7.2.11 ☐ R

Cancel Create

20 packages available

Name	Description	Version
high-quality data compressor		1.0.8
Certificates for use with other packages.		2025.2.1
A portable foreign function interface library		3.4.4
Library for C/C++ and Fortran interfaces		6.4
Array processing for NumPy, strings, records, and objects.		2.2.6
OpenSSL is an open-source implementation of the SSL and TLS protocols		3.0.16
High performance data streaming and analytics engine		2.3.1
Pip	PyPA recommended tool for installing python packages	25.0
python	General purpose programming language	3.10.16
python-dateutil	Extensions to the standard python datetime module	2.9.0.post1
pytz	World timezone definitions, modern and historical.	2025.2
readline	Library for editing command lines as they are typed in	8.2
setuptools	Download, build, install, upgrade, and uninstall python packages	75.8.0

Option (1) Anaconda UI

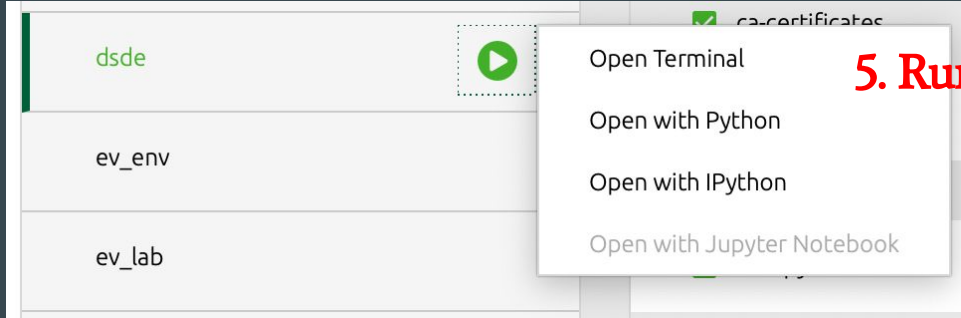


5. Run the environment through terminal here

```
Last login: Tue Aug 5 12:21:41 on ttys008
. /opt/anaconda2/bin/activate && conda activate /opt/anaconda3/envs/dsde;
(base) % . /opt/anaconda3/bin/activate && conda activate /opt/anaconda3/envs/dsde;
(dsde) % pip install pandas
```

6. You can pip install python libraries here

Option (1) Anaconda UI



5. Run the environment through terminal here

```
Last login: Tue Aug 5 12:21:41 on ttys008
. /opt/anaconda2/bin/activate && conda activate /opt/anaconda3/envs/dsde;
(base) % . /opt/anaconda3/bin/activate && conda activate /opt/anaconda3/envs/dsde;
(dsde) % pip install pandas
```

6. You can pip install python libraries here

Option (2) Conda command line tool

1. Create conda env with name and python package

```
[(base) theerapatkangsilalai@Super-computer ~ % conda create -n dsde python
```

2. Activate conda env with the created name

```
[(base) theerapatkangsilalai@Super-computer ~ % conda activate dsde  
[(dsde) theerapatkangsilalai@Super-computer ~ % pip install pandas  
Collecting pandas
```

3. pip install python library through terminal

Grader Problems

Grader

1 01_pandas_01

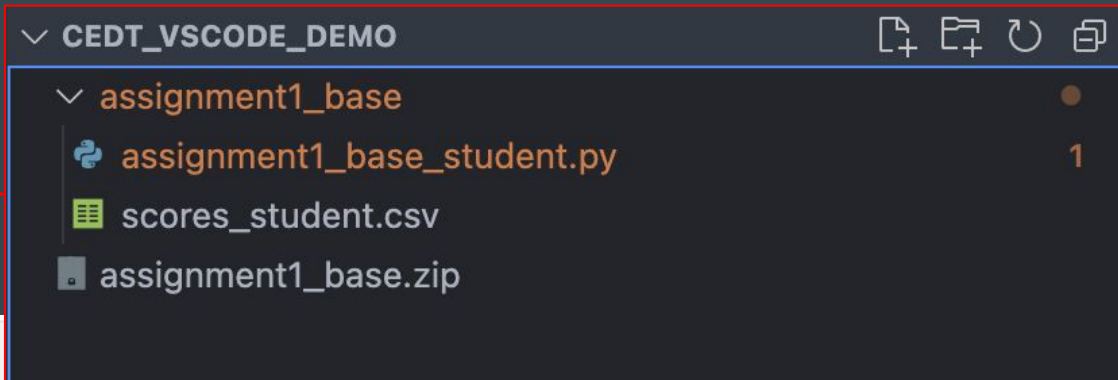
01_pandas_01 Pandas basic

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2 01_pandas_02

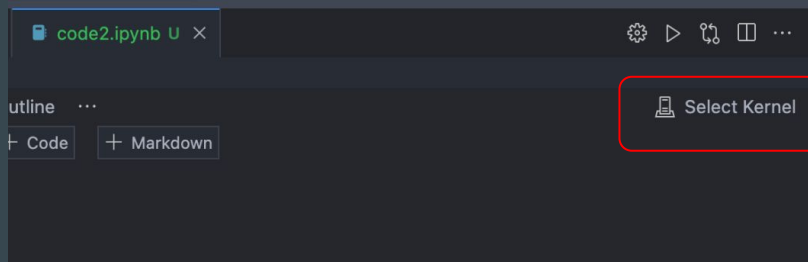
01_pandas_02 Youtube stats

[Read](#) | [File](#)

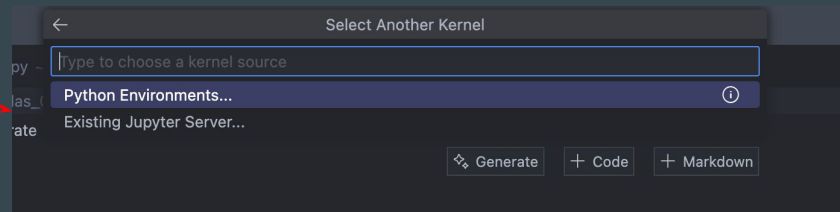


VS CODE + Conda + .ipynb)

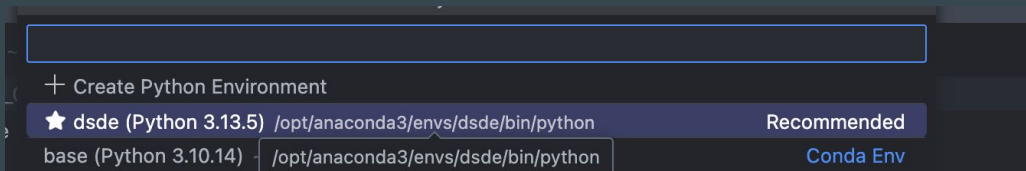
1. Select Kernel here



2. Select “Python Environments”



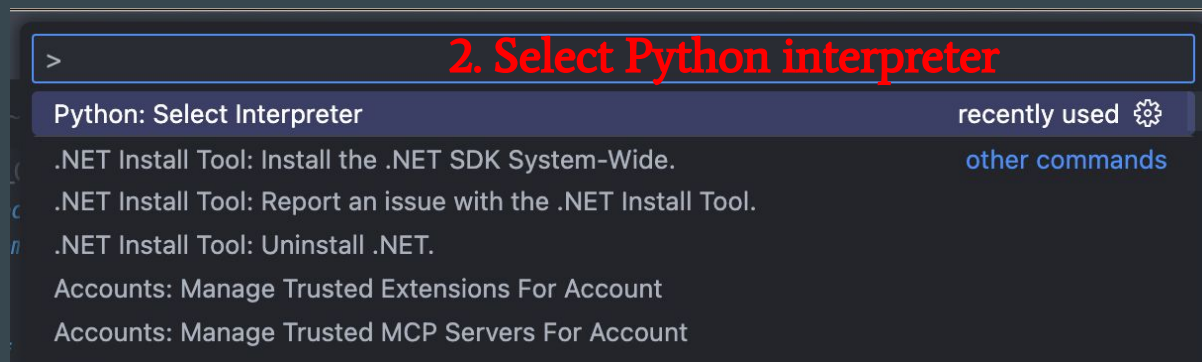
3. Select the env name you created



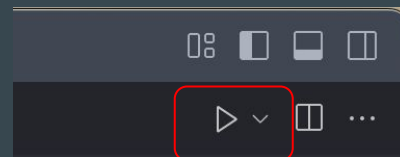
4. Done

VS CODE + Conda + .py

1. cmd(ctrl) + shift + P -> to open this window



4. You can run the code here



+ Create Virtual Environment...

Enter interpreter path...

3. Then select the created env

Python 3.13.0 /opt/homebrew/bin/python3

Recommended

Python 3.13.5 (dsde) /opt/anaconda3/envs/dsde/bin/python

Conda

Terminal + Conda + .py

```
(base) theerapatkangsilalai@Super-computer ~ % conda activate dsde  
(dsde) theerapatkangsilalai@Super-computer ~ % python main.py
```

Open your terminal ->
activate your conda env ->
run your python file