# Conda + VScode Handbook

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# Tools

Python Virtual Environment Management Tool

1. Miniconda - Download Link
2. Conda - command line documentation

IDE

1. VSCODE

# Download Conda command line

# Download Conda command line

# Option (1) Anaconda UI

# Option (1) Anaconda UI

dsde

Open Terminal

Open with Python

Open with IPython

Open with Jupyter Notebook

ev_env

ev_lab

ca-certificates

**5. Run the environment through terminal here**

```
Last login: Tue Aug  5 12:21:41 on ttys008
. /opt/anaconda3/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
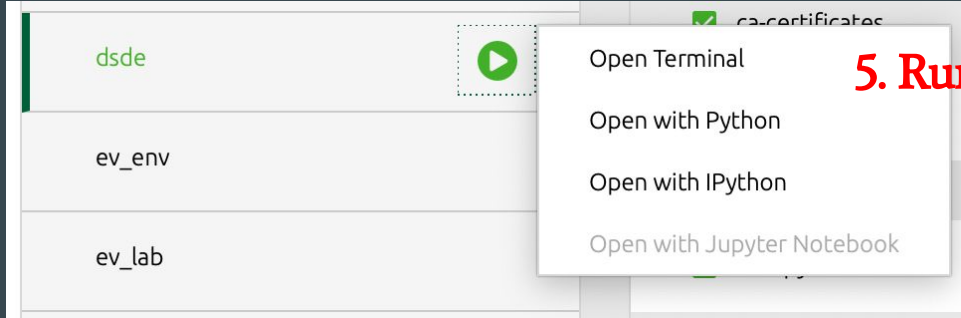
dsde  ▶

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(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** | | New |
| | 01_pandas_01 Pandas basic | | |
| | 📄 Read \| 🔽 File | | |
| 2 | **01_pandas_02** | - | New |
| | 01_pandas_02 Youtube stats | | |
| | 📄 Read \| 🔽 File | | |

CEDT_VSCODE_DEMO
- assignment1_base
  - assignment1_base_student.py    1
  - scores_student.csv
- assignment1_base.zip
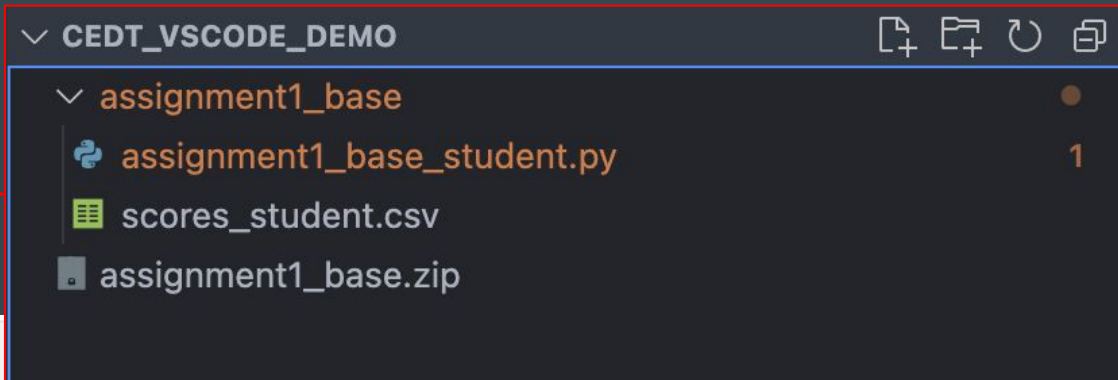
# VS CODE + Conda + .ipynb)

**1. Select Kernel here**

code2.ipynb U ×

utline ...

+ Code    + Markdown

⬛ Select Kernel
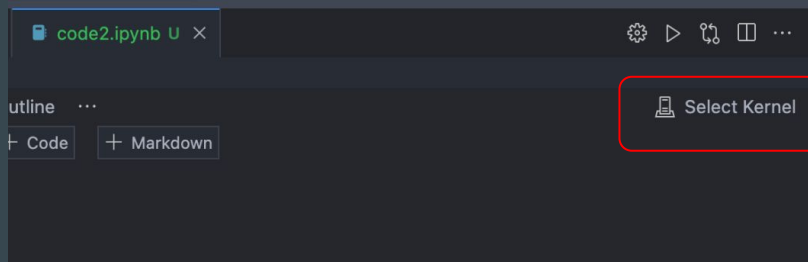
**2. Select "Python Environments"**

← Select Another Kernel

Type to choose a kernel source

Python Environments...                                                    ⓘ
Existing Jupyter Server...

✧ Generate    + Code    + Markdown
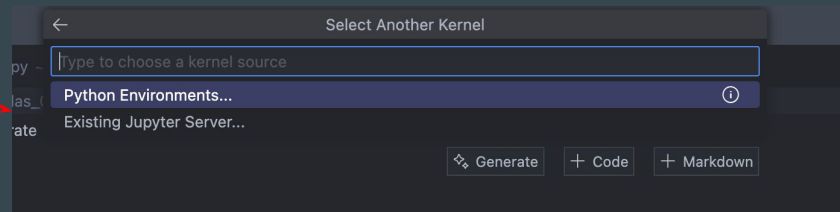
**3. Select the env name you created**

+ Create Python Environment

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

base (Python 3.10.14)  /opt/anaconda3/envs/dsde/bin/python    Conda Env
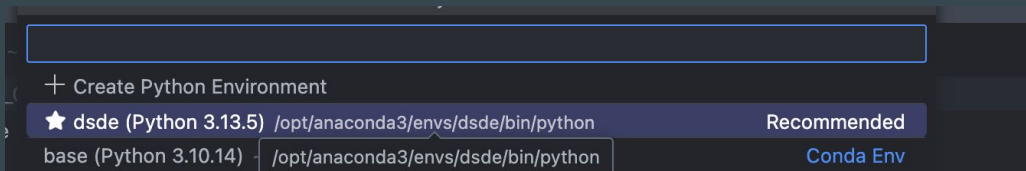
**4. Done**

# VS CODE + Conda + .py

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

> **2. Select Python interpreter**

```
>
```

| Python: Select Interpreter | recently used ⚙ |
| .NET Install Tool: Install the .NET SDK System-Wide. | other commands |
| .NET Install Tool: Report an issue with the .NET Install Tool. | |
| .NET Install Tool: Uninstall .NET. | |
| Accounts: Manage Trusted Extensions For Account | |
| Accounts: Manage Trusted MCP Servers For Account | |
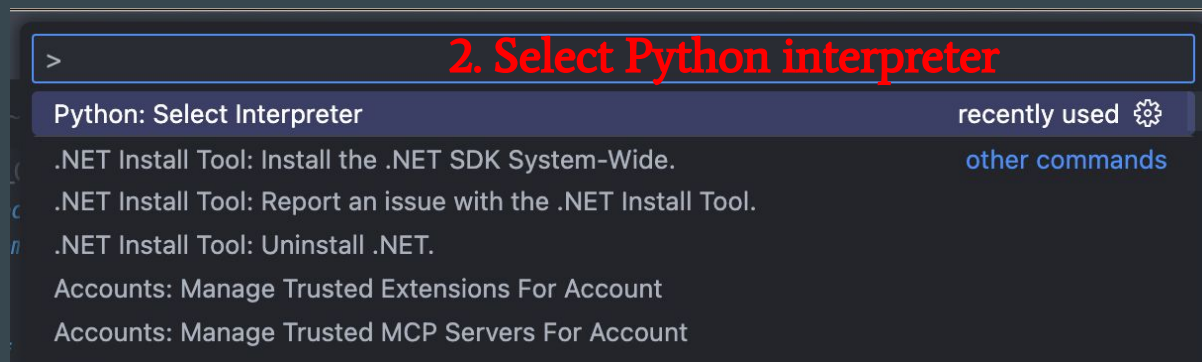
**4. You can run the code here**
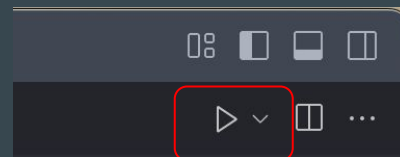


+ Create Virtual Environment...

📁 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