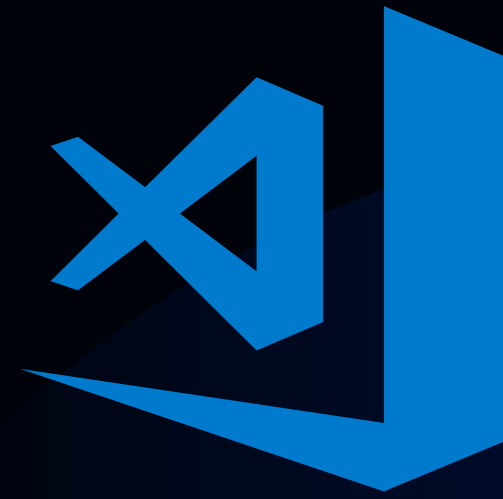How to create

Virtual
Environment

Visual Studio Code

#DIYCoding

Create a New Folder

Open your terminal and create a folder:

```
mkdir code
cd code
```

Open Folder in VS Code:

```
code .
```

This will open the folder code in VS Code.

Creating a Virtual Environment (Method 1: Using Conda)

Command to Create a Virtual Environment:
  If VS Code is installed with Anaconda:

```
conda create -p venv python==3.10 -y
```

Activate the Environment:

```
conda activate venv/
```

#DIYCoding

Creating a Virtual Environment (Method 2: Using Python)

Command to Create Virtual Environment:

```
python -m venv myvenv
```

Activate the Environment:

```
.\myvenv\Scripts\activate
```

#DIYCoding

Creating a Virtual Environment (Method 3: Using Virtualenv for Linux)

Install Virtualenv:

```
pip install virtualenv
```

Create Virtual Environment:

```
virtualenv -p python3 virtual_env
```

Activate the Environment:

```
virtual_env\Scripts\activate
```

#DIYCoding

Checking Python Version

```
python --version
```

Managing Dependencies with requirements.txt

```
pip install -r requirements.txt
```

Or, use Jupyter notebook to install:

```
!pip install pandas
```

Running Python Files

Run Python Files from VS Code Terminal:
       Create a file test.py and run:

```
python test.py
```

Using Jupyter Notebooks in VS Code

Installing the IPython Kernel for Jupyter:

```
pip install ipykernel
```