Setup Python Environment

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Objective

- learn how to install traditional Python
- Glance over Python IDE

1. Install Python

Step 1: Go to the web and search "Python" Or go to "python.org"
Step 2: Go to Downloads to download the installer
Step 3: Click the installer and start the installation process

- tick "add python [version] to the path"

2. Python IDE

There are many IDE (integrated development environment) for Python, such as:

- Pycharm
- Vscode
- Spyder
- Jupyter notebook
- Jupyter lab
- Thonny (simple, for beginner)
- Mu (simple, for beginner)
  ...
- Python IDLE

3. Python IDLE

- Integrated Development and Learning Environment
- Open it
- Running Python Code Interactively
- Running Python File

4. Run Python Script in IDLE

(1) run code line by line (interactively)

```python
a = 11
b = 30

c = a + b

print(c)
```

(2) run code snippet as a module

--> create a folder to store the code
--> file --> New File --> type the following code snippet

```python
def hi( ):
    print('Hi guys,welcome to my Python course!')
```

--> Run Module --> call the function

```python
hi()
```