

Learn Coding

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0.1 Resources

0.2 Install components

1 2

0.2.1 Install needed components

These operations often require *admin* access.

For Win: start Windows PowerShell with righth-click+‘Run as admin’

For iOS: start Terminal then `su`

For Linux: you don’t need me

These installations may require time.

For a quick start, use the [online VS Code tool](#)

0.2.1.1 Python

- install from www.python.org/
 - no need for Anaconda virtual env. (yet)
-

0.2.1.2 VS Code

- Free and light
 - lots of extensions allow customisation
-

VS Code Extensions

CTRL+Shift+x to the marketplace

- Python, by Microsoft
 - Jupyter, by Microsoft
 - Markdown All-in-one
 - Simple CSV editor
-

0.2.1.3 PIP

an external command for your Terminal/Powershell

fetch+install *packages* containing Py. functions

Python extensively relies on packages

Get **get-pip.py** from [the PIP web site](https://bootstrap.pypa.io/get-pip.py).

```
> wget https://bootstrap.pypa.io/get-pip.py -O get-pip.py
```

```
> python get-pip.py
```

0.2.2 Get essential modules

```
> pip install os
...
> pip install numpy
...
> pip install pandas
...
> pip install matplotlib
```

0.3 App management

- for Win: [Chocolatey](#)
 - for iOS: [Homebrew](#)
-

0.3.0.1 [Chocolatey](#)

It manages installed software as linux does

Intallation is of average complexity

Start a **PowerShell** in administrator mode;

see '[individual installation](#)'.

0.3.0.1.1 Example commands

```
> choco install python
```

```
> choco install vscode
```

```
> choco install pip
```

```
> choco upgrade python
```

```
# upgrade all installed packages
```

```
> choco upgrade all --yes
```

0.3.0.2 Home Brew

Essentially the same as Chocolatey, but for MacOS.

```
> brew --cask install visual-studio-code
```

0.3.0.3 Further tips

- try practicing daily, in your **zone**
- try getting past frustration and *enjoy* the progress you make: you are in control now
- sign up to [Stack Overflow](#) to find solutions
- *do not*, at any rate, watch Python videos on YouTube...