

# LEARN CODING

ale66

# RESOURCES

# INSTALL COMPONENTS

1  
2

## INSTALL NEEDED COMPONENTS

These operations often require *admin* access.

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

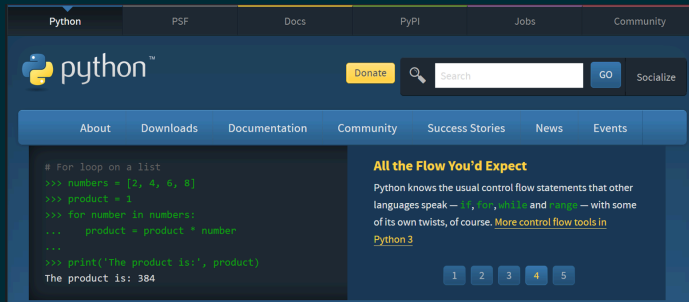
For iOs: start **Terminal** then **su**

For Linux: you don't need me 😊

These installations may require time.

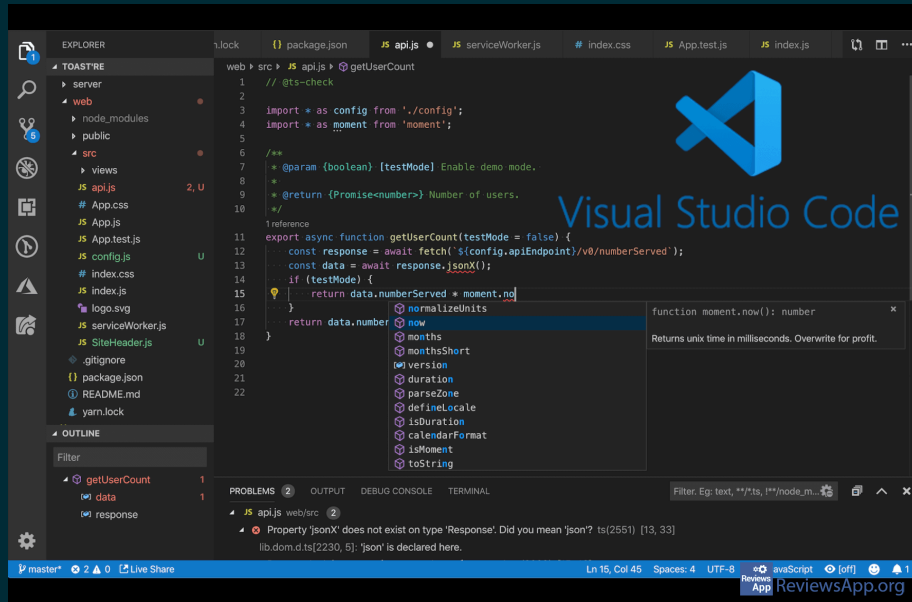
For a quick start, use the **online VS Code tool**

# PYTHON



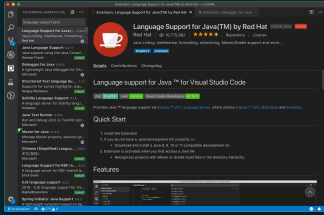
- install from [www.python.org/](https://www.python.org/)
- no need for Anaconda virtual env. (yet)

# 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

# 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.

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

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

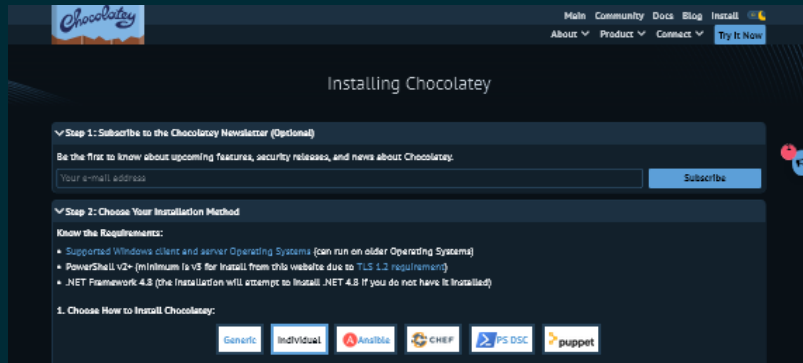
# GET ESSENTIAL MODULES

```
1 > pip install os
2 ...
3 > pip install numpy
4 ...
5 > pip install pandas
6 ...
7 > pip install matplotlib
```



# APP MANAGEMENT

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



It manages installed software as linux does  
Intallation is of average complexity  
Start a **PowerShell** in administrator mode;  
see ‘individual installation’.

# EXAMPLE COMMANDS

```
1 > choco install python
```

```
1 > choco install vscode
```

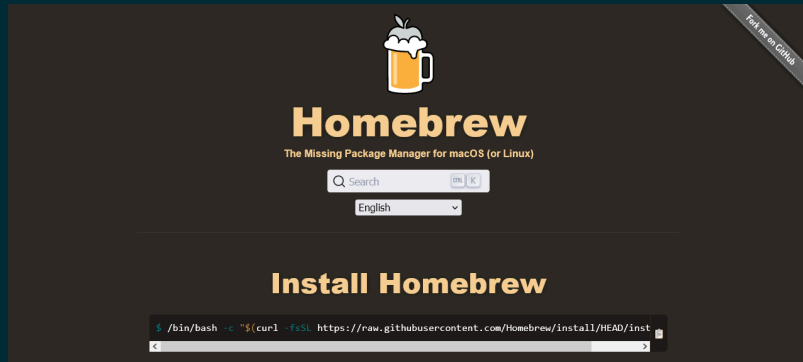
```
1 > choco install pip
```

```
1 > choco upgrade python
```

```
1 # upgrade all installed packages
```

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

# HOME BREW



Essentially the same as Chocolatey, but for MacOS.

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

## 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...