

Python to EXE

<https://pypi.org/project/auto-py-to-exe/>

It uses *PyInstaller* behind the scene.

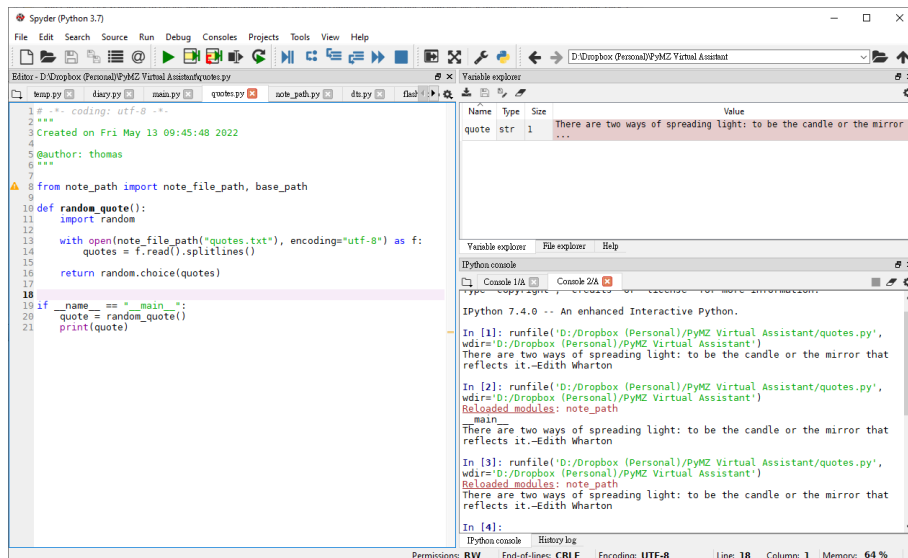
Running Python Script

- .py file
 - Run **python filename.py** in command prompt.
- .exe file, Double click

Editing .py file with Editors

- Spider
- Visual Studio Code
- Sublime Text
- PyCharm

Spyder 介面



Essential Windows Command Prompt commands

- **cd <DIR NAME>** to change directory
- **dir** to list all files
- **python <FILE NAME.py>** to run python script
- **pip install <PACKAGE>** to install pip package.

Essential Linux commands (Ubuntu)

- **cd <DIR NAME>** to change directory
- **ls** to list all files
- **pwd** to show current working directory.
- **cd ..** to change directory to parent folder.
- **cat <FILE NAME>** to show all content in file.
- **nano <FILE NAME>** to edit a plain text file.
- **ctrl-x** to exit and **<ENTER>** to confirm saving in Nano editor.
- **sudo apt-get install <PACKAGE NAME>** to install new packages in Ubuntu Linux.
- **sudo apt-get update** to update the package list.

定時運行

Windows: .exe, Task Scheduler

Linux/Mac: .py, Cron Job

什麼是 Cron Job?

是 Linux/macOS 中按設定定時運程序的功能。

最短一般為 1 分鐘一次，最長一年一次。

更多設定例子：<https://crontab.guru/examples.html>

使用 **crontab -l** 可以列出現有的 cron job。

使用 **crontab -e** 可以進行編輯。

例如，以下 Cron Job 每小時整點運行一次：

```
0 * * * * /usr/bin/python3 /home/makzan/weather.py > /dev/null 2>&1
```

Email & SMS services for consideration

Email

- Sendgrid, \$
- Mailgun for email, \$\$
- Amazon Simple Email Service (Amazon SES), Cheap but not very easy to setup.

SMS

- 3Macao Business API
- CTM web gateway / API
- Vonage for SMS
- Twilio for SMS

Task Scheduler

