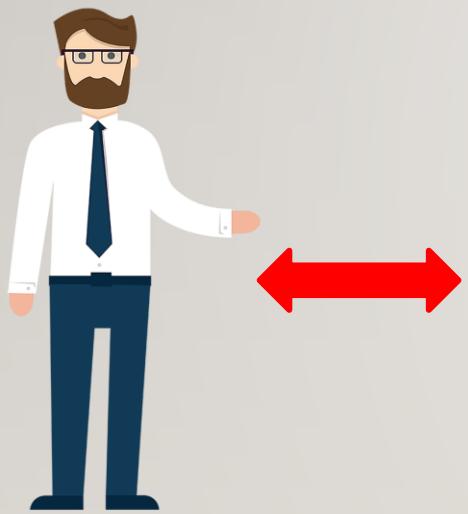
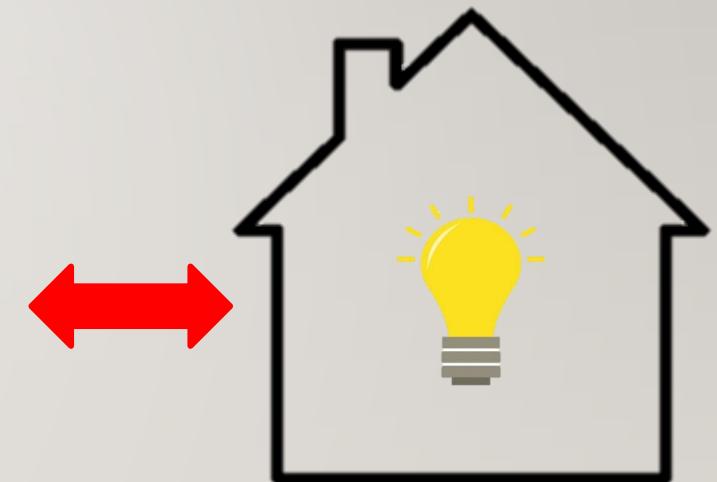
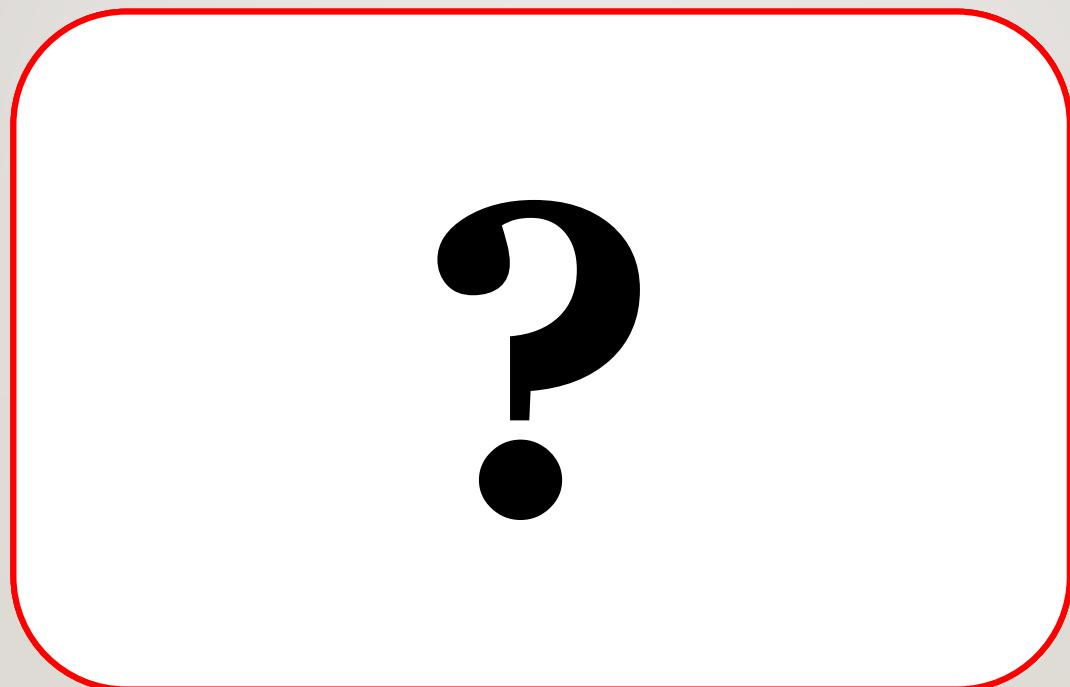


IoT In 10 Minutes

如何在外控制家中的燈泡



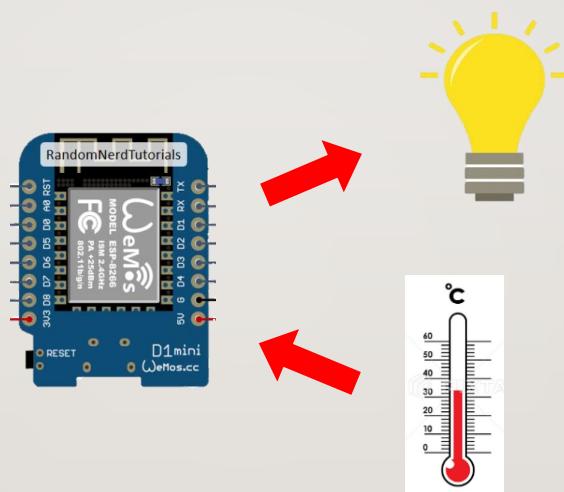
出門在外的人



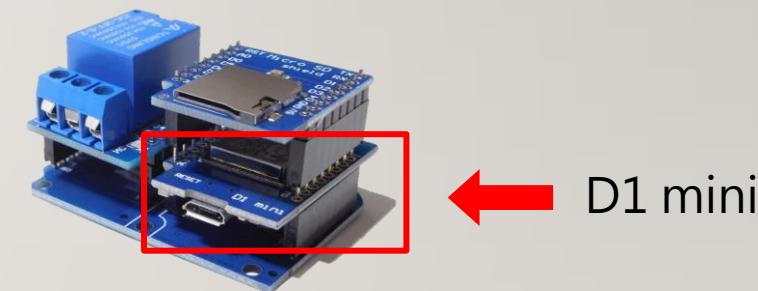
家中的燈泡

D1 mini - 最容易實現 IoT 的方案之一

- ✓ 體積小巧
- ✓ 支援無線通信
- ✓ 支援多種程式語言
- ✓ 大量的擴充套件
- ✓ 便宜 (NTD 60/片!!!)

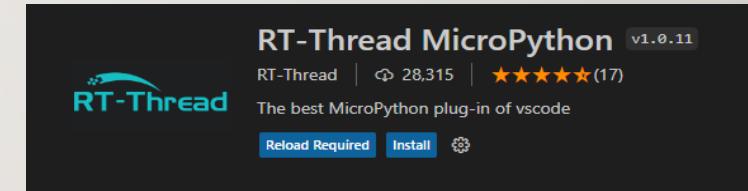
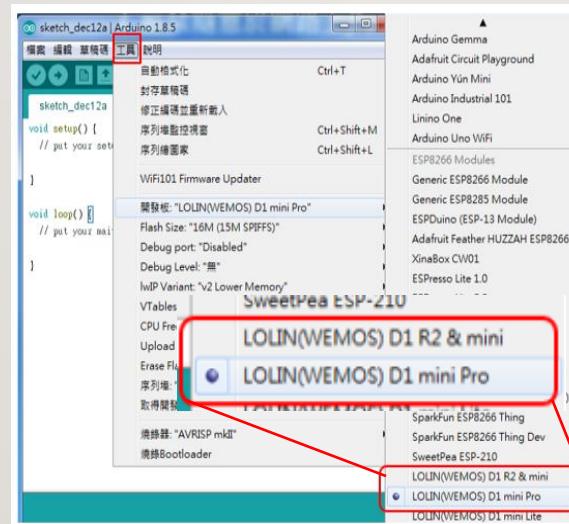


網路與現實間的橋樑



(像樂高一樣擴充模組)

D1 MINI 如何取得與使用?



A screenshot of a Python script named 'urequests_example.py' in a VS Code editor. The code uses the 'urequests' library to make a GET request to a MicroPython server. The text '大量的教學文件及範例程式' is positioned above this screenshot.

```
C: > Users > tsai5 > .vscode > extensions > rt-thread.rt-thread-micropython-1.0.11 > microExample
1 | try:
2 |     import urequests as requests
3 | except ImportError:
4 |     import requests
5 |
6 |
7 | r = requests.get("http://www.rt-thread.com/service/rt-thread.txt")
8 | print(r.content)
9 | r.close()
```

各大通路皆可入手

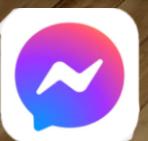
多種 IDE 適配各種程式語言

大量的教學文件及範例程式

為什麼用 MQTT(Message Queuing telemetry Transport)



與卡夫卡(Apache Kafka)類似，提供非同步的傳輸方式，提供可靠的服務



MQTT 服務提供商(<https://io.adafruit.com>)

Feeds



6 of 10

Dashboards



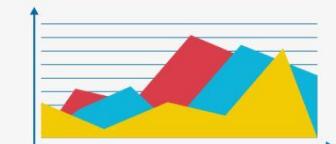
2 of 5

Data Rate



31 of 30

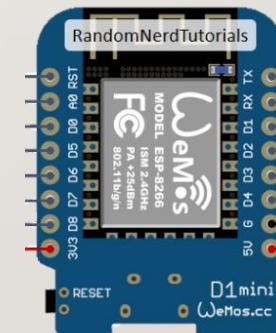
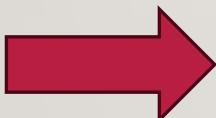
免費方案



數據視覺化

互動 DEMO

掃描QR code，累計人數達30人後點亮燈泡



QR-CODE

總結
