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程式進階 教學軟體

- ✓ 入門篇
- ✓ 進階篇
- ✓ 高階篇

Python learner

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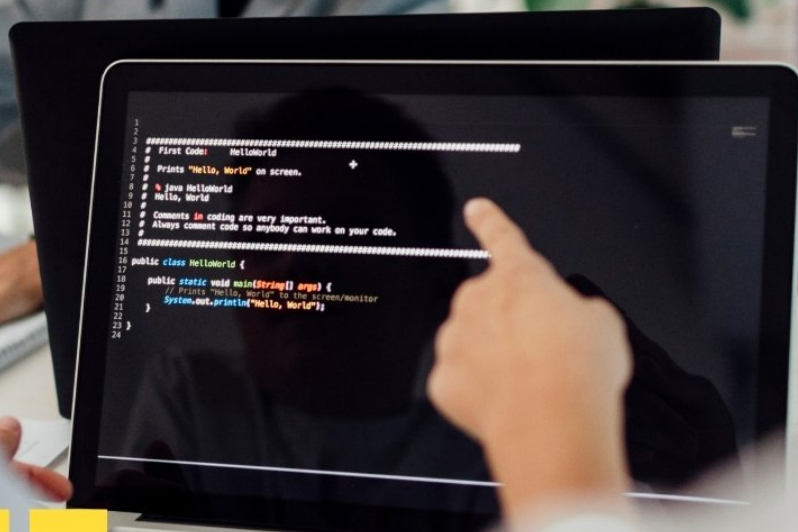
```
while True:
    display.set_pixel(3, 2, display.RED)
    if button_a.get_value() == 0:
        time.sleep(5)
        display.clear()
        display.set_pixel(1, 2, display.GREEN)
        cuckoo()
    for i in range(5):
        display.set_pixel(1, 2, display.GREEN)
        time.sleep(0.5)
        display.clear()
        time.sleep(0.5)
```

學習程式基本語法，包括迴圈，和條件。並且學習用來控制程式，包括運算和感應器及燈光，以及動作控制

入門篇



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```
data = { NO.01 : 72, NO.02 : 50, NO.03 : 60, 'N  
passed = []  
failed = []  
waitlist = []  
  
for number in data:  
    if data[number] >= 60:  
        passed.append(number)  
    else:  
        if data[number] >= 55:  
            waitlist.append(number)  
        else:  
            failed.append(number)  
  
print('passed:',passed)  
print('failed:',failed)  
print('waitlist:',waitlist)
```

學習理解複雜的程式，藉由整合基礎篇學到的概念來學習複雜的主題，以學生為中心，程式學習為主讓學生藉由程式知識來解決真實世界的問題

進階篇



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```
23 Δ  
v try writing the program below to make an image with seven  
from pystubit.board import display, Image  
  
img_red = Image("11111:11111:11111:11111:11111", color:  
img_green = Image("11111:11111:11111:11111:11111", colo  
img_blue = Image("11111:11111:11111:11111:11111", colo  
  
img_yellow = img_red + img_green  
img_cyan = img_green + img_blue  
img_magenta = img_red + img_blue  
img_white = img_red + img_green + img_blue  
23 Δ
```

學生使用Python 開發進階的專題，讓學生更加熟悉使用Python來處理複雜的專題，解決生活中有趣的問題。

高階篇