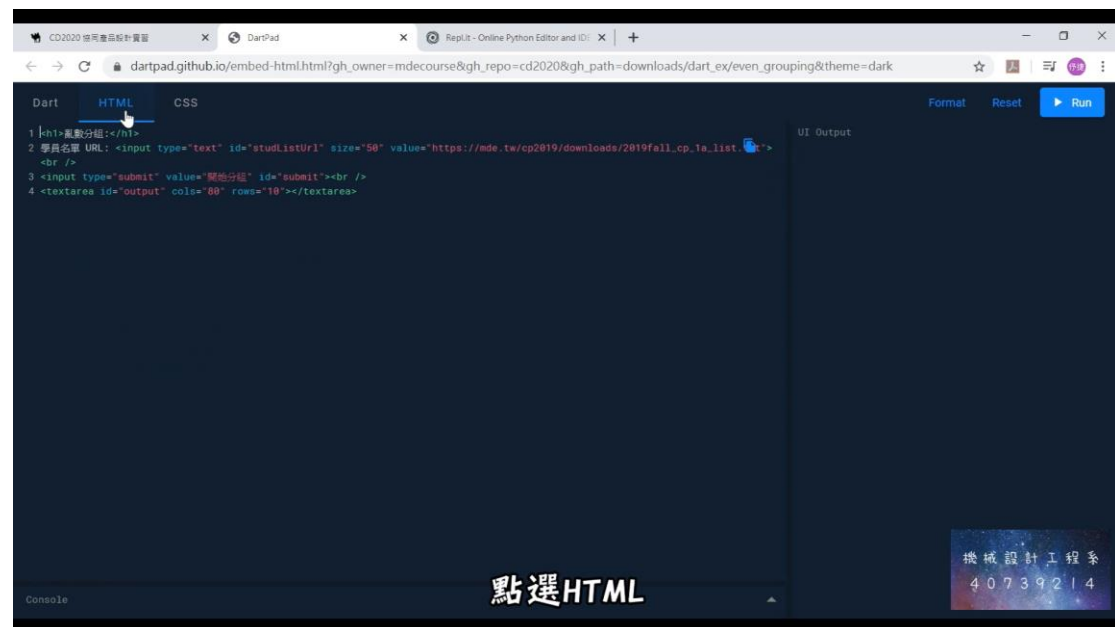


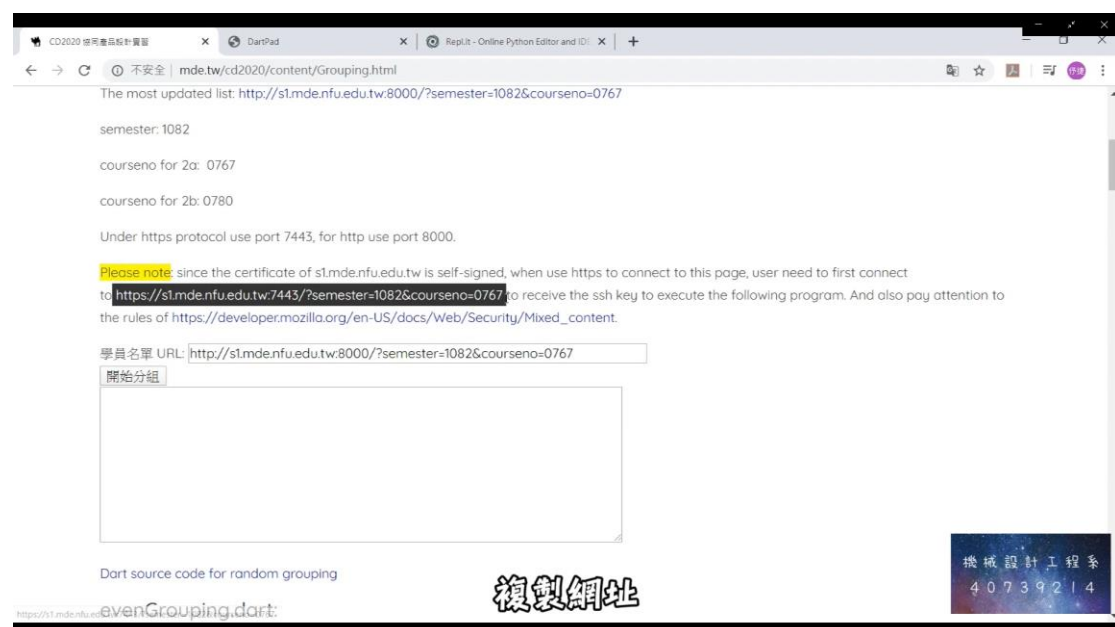
作業一：請描述如何針對該課程進行有效的隨機分組，或者隨機進行點名？

亂數分組

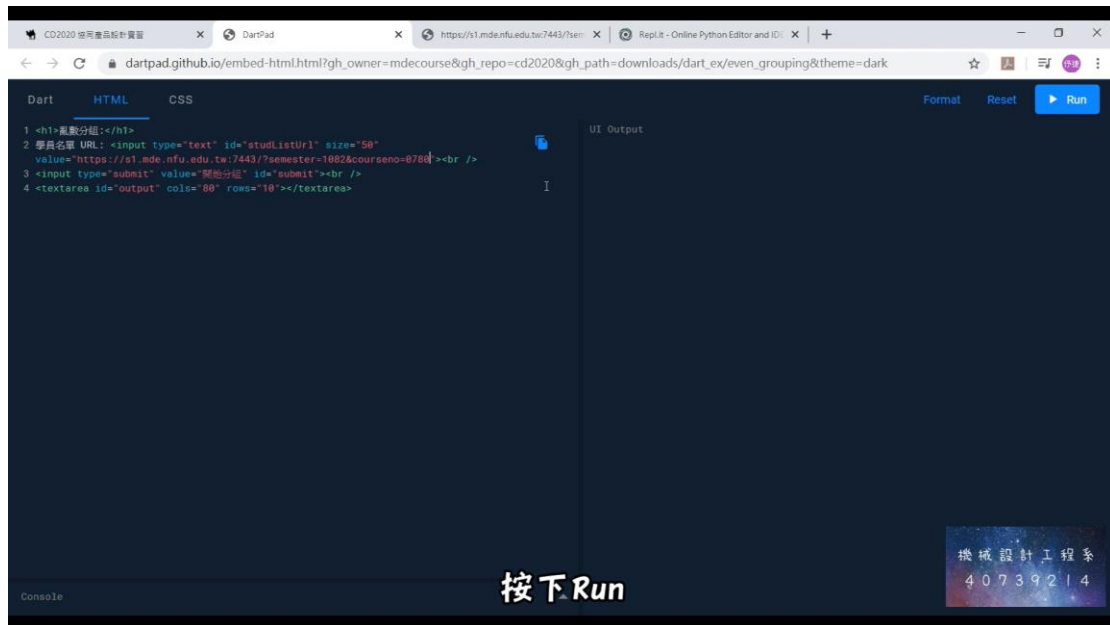
Step1：至 mde.tw 課程網頁（mde.tw/About/Grouping）點選 “[Dart](#)”



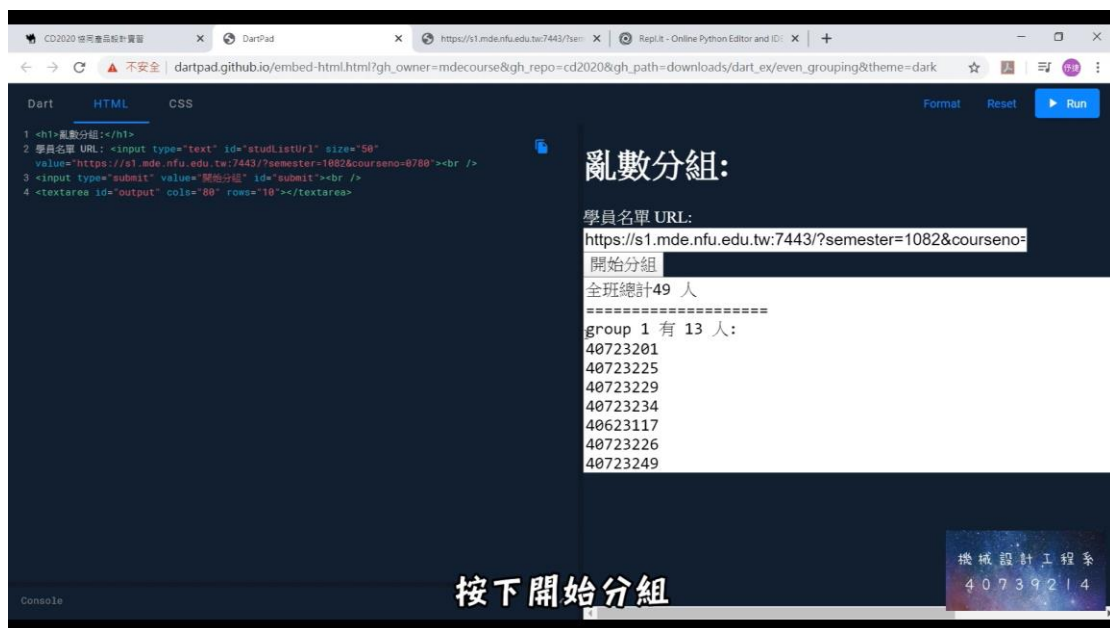
Step2：複製 note 那邊的網址，並將 0767(2a)改成 0780(2b)



Step3：複製更改後的網址貼上 HTML，並按下 Run



Step4：按下開始分組，即可完成亂數分組！

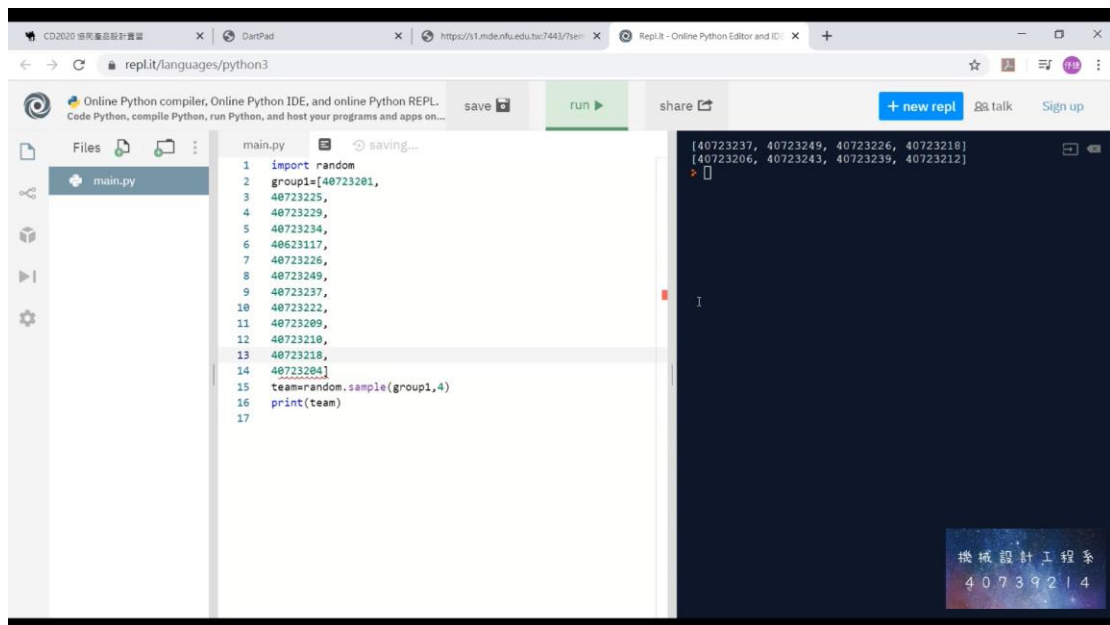


隨機點名 [參考連結](#) *利用 random.sample

random.sample(sequence, k) · 從指定序列中隨機獲取指定長度的片斷。

Step1：複製剛產生的分組成員名單，貼到 [Python3 線上編譯器](#)

Step2：輸入圖片中的語法，在一個 group 中進行抽點，group2、group3、group4 以此類推



The screenshot shows the Repl.it Python IDE interface. On the left, a file explorer shows 'main.py'. The main editor displays a Python script:

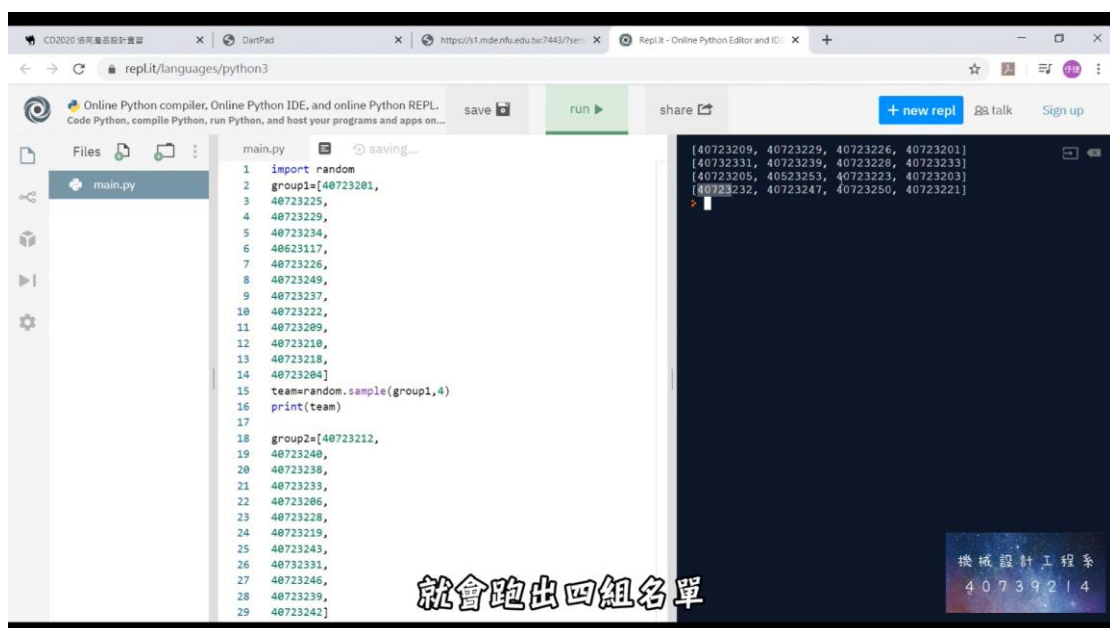
```
1 import random
2 group1=[40723201,
3 40723225,
4 40723229,
5 40723234,
6 40623117,
7 40723226,
8 40723249,
9 40723237,
10 40723222,
11 40723209,
12 40723210,
13 40723218,
14 40723204]
15 team=random.sample(group1,4)
16 print(team)
17
```

The right pane shows the output of the script:

```
[40723237, 40723249, 40723226, 40723218]
[40723206, 40723243, 40723239, 40723212]
```

At the bottom right, there is a small graphic with the text '機械設計工程系' and '40739214'.

Step3：輸入完畢確認無誤後按下 run，即可完成隨機點名！



The screenshot shows the Repl.it Python IDE interface after the script has been executed. The main editor shows the same script as before, but with additional code added at the bottom:

```
18 group2=[40723212,
19 40723240,
20 40723238,
21 40723233,
22 40723206,
23 40723228,
24 40723219,
25 40723243,
26 40723231,
27 40723246,
28 40723239,
29 40723242]
```

The right pane shows the output of the script, which now includes two more lines of output:

```
[40723209, 40723229, 40723226, 40723201]
[40723231, 40723239, 40723228, 40723233]
[40723205, 40623253, 40723223, 40723203]
[40723232, 40723247, 40723250, 40723221]
```

At the bottom right, there is a small graphic with the text '機械設計工程系' and '40739214'.

就會跑出四組名單