

EE3031 week5(3/26)

Exercise_example_r09941007

Location:(Github, formal ans)

<https://reurl.cc/R6YQj6>

^ Extra exercise will be uploaded to the repo every week.

My_Example_code:(upload after class)

<https://reurl.cc/OXYe1A>

Note:

Code will be uploaded after each class,

It's **just** my method, you **don't** need to be exactly the same, just code a project with **similar function**.

Show me your results of each exercise.

Hope you leave with accomplished **2** extra exercises.

extra_exercise_medium

Hint:

You need to know what's in your array.

You need to know the position in your array corresponds to which index.

```
dotnet
[giginepuran LAPTOP-9L598U92] - [~/TA_workshop/week5] - [2021-03-23 02:53:30]
[0] <> dotnet run
Please input height of the Pascal's triangle: 1
1
Please input height of the Pascal's triangle: 2
3
Please input height of the Pascal's triangle: 3
7
Please input height of the Pascal's triangle: 4
15
Please input height of the Pascal's triangle: 5
31
Please input height of the Pascal's triangle: 6
63
Please input height of the Pascal's triangle: 7
127
Please input height of the Pascal's triangle: 8
255
Please input height of the Pascal's triangle: 9
511
Please input height of the Pascal's triangle: 10
1023
Please input height of the Pascal's triangle: 11
2047
Please input height of the Pascal's triangle: 12
4095
```

extra_exercise_hard

```
dotnet
[giginepuran LAPTOP-9L598U92] - [~/TA_workshop/week5] - [2021-03-23 02:59:35]
[0] <> dotnet run
Please input size of class seating chart:
3 3
Please input a class seating chart:
1 1 1
1 0 1
1 1 1
10 minutes

Please input size of class seating chart:
4 5
Please input a class seating chart:
1 0 0 0 0
1 1 0 0 0
1 1 1 0 0
1 1 1 1 1
30 minutes

Please input size of class seating chart:
1 10
Please input a class seating chart:
1 0 0 0 0 0 0 0 0 0
90 minutes

Please input size of class seating chart:
1 1
Please input a class seating chart:
1
0 minute

Please input size of class seating chart:
```

Hint:

You can use bool array.

You can't deal with student is infected or not in same array.

week7 (4/9) 要交第一次作業 會請同學分享自己的作品、想法

內容不限

主題不限

程式複雜度不限

程式功能不限

請同學做 自己喜歡、覺得有趣 的主題, 就好。

老師跟助教群都看的出來同學有沒有花時間在上面,

不會單以程式複雜度來評斷各位的作品。

關於作業/期末報告的程式架構, 都可以跟助教或老師討論。

關於作業的一些建議

以本週第三題Hard為例。

第一步：列出我想要有的功能

ex: 讀入座位表、判斷傳染情況、傳染的改變、計時...

第二步：規劃各個功能在程式中的順序, (還不用實際寫code)

ex: 讀入-計時-判斷傳染情況+---若全傳染停止計時印出時間

L---或無, 進行傳染----回去計時---loop...

第三步：——完成各個功能的程式碼

此處建議, 對coding還不太熟悉的同學, 可分段Debug, 確認部分功能都沒問題, 再將它們組合成一個程式。

這種split problem into subproblems不只是現實中, 也是程式設計中非常重要的能力。

助教群與老師能幫忙的部分只有第二步, 我們可以帮大家評估規劃是否完備及可行性。