

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:

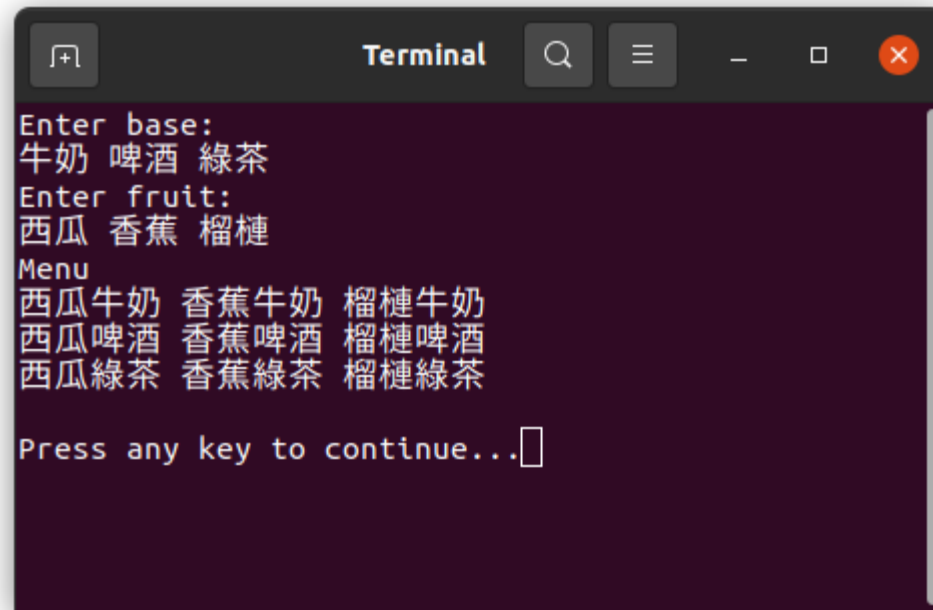
Code will be uploaded after each class,

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_easy

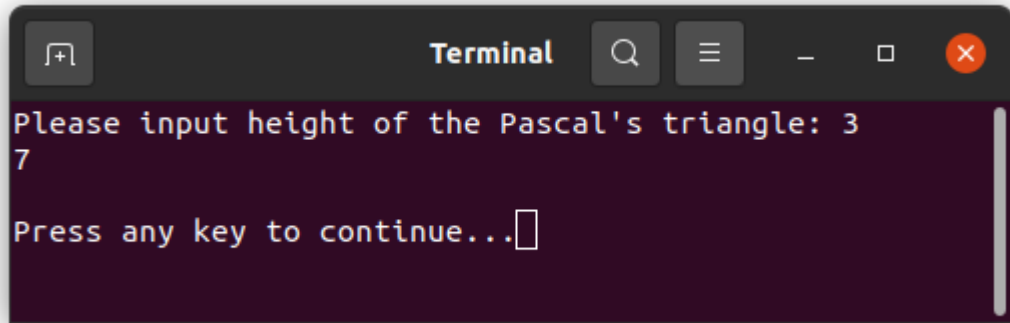
A terminal window titled "Terminal" with a dark background and light text. It shows a sequence of prompts and inputs for a menu generation exercise. The prompts are "Enter base:", "Enter fruit:", and "Menu". The inputs are "牛奶 啤酒 綠茶", "西瓜 香蕉 榴槤", and a list of combinations. The window has standard macOS window controls (red, yellow, green buttons) and a search icon.

```
Terminal
Enter base:
牛奶 啤酒 綠茶
Enter fruit:
西瓜 香蕉 榴槤
Menu
西瓜牛奶 香蕉牛奶 榴槤牛奶
西瓜啤酒 香蕉啤酒 榴槤啤酒
西瓜綠茶 香蕉綠茶 榴槤綠茶

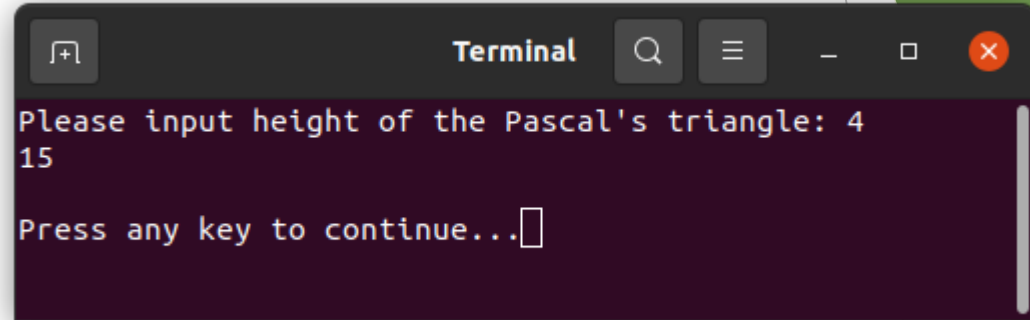
Press any key to continue...
```

Hint: you need to know how many bases/fruits you have.

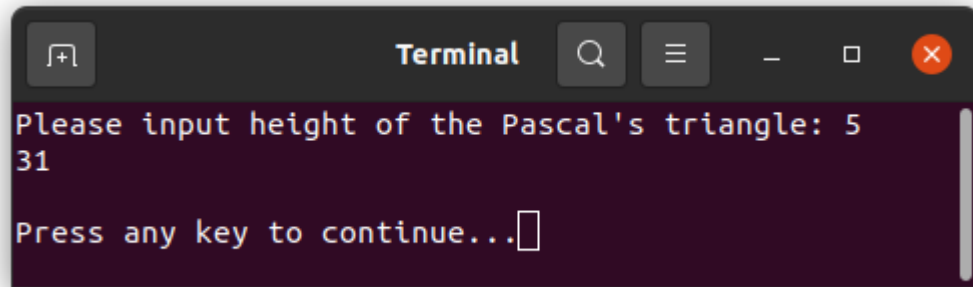
extra_exercise_medium



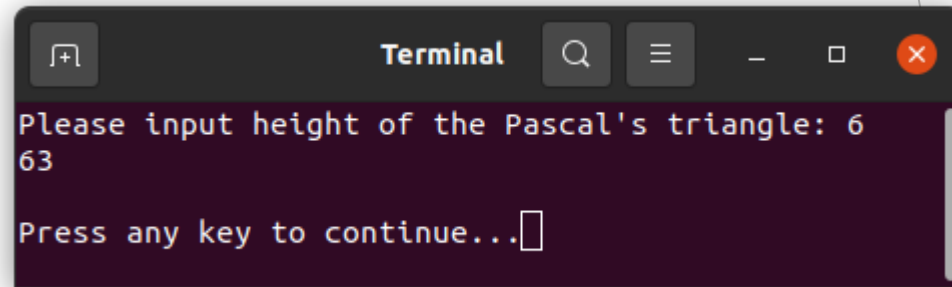
```
Terminal
Please input height of the Pascal's triangle: 3
7
Press any key to continue...
```



```
Terminal
Please input height of the Pascal's triangle: 4
15
Press any key to continue...
```



```
Terminal
Please input height of the Pascal's triangle: 5
31
Press any key to continue...
```



```
Terminal
Please input height of the Pascal's triangle: 6
63
Press any key to continue...
```

Hint:

You need to know what your array looks like.

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

extra_exercise_hard

建議NTUcool練習和前兩題都寫完了
再寫這題

```
Terminal
Please input size of class seating chart:
3 3
Please input a class seating sheet:
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 sheet:
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 1
Please input a class seating sheet:
1
0 minute
Please input size of class seating chart:
1 10
Please input a class seating sheet:
1 0 0 0 0 0 0 0 0 0
90 minutes
```

Hint:

You can use Various data type array.

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