EE3031 week3(3/12)

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.

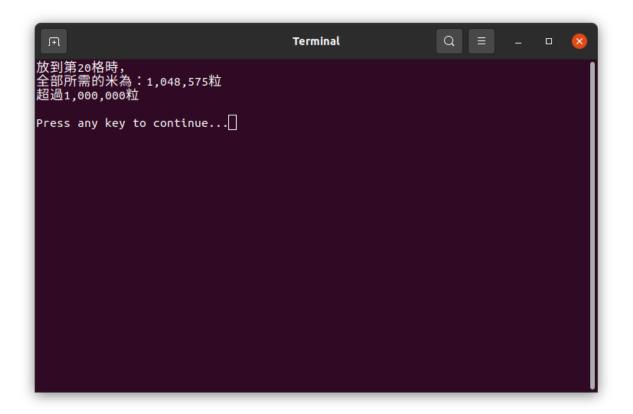
Show me your results of each exercises. Hope you leave with accomplished 7 exercises at least.

```
Terminal
公司聚餐,飯桌上擺著一道你最愛吃的菜,可是離你挺遠,
就算你伸長了胳膊也夾不到,這時你會怎麼辦呢?
這個問題可以測試你面對喜歡的人反應如何哦!
4.跟靠近那菜的人換座位
請輸入你的決定(1~4整數)
Error:The choices are 1 ~ 4 integer
 (Parameter 'choice')
Error:Input string was not in a correct format.
你的選項為:1
結果為:
面子不能當飯吃,單身一輩子吧
Press any key to continue...
```

```
Terminal
請輸入分數(輸入字元來結束):
Error:Score is out of range! (70~100)
請輸入分數(輸入字元來結束):
Error:Score is out of range! (70~100)
請輸入分數(輸入字元來結束):
請輸入分數(輸入字元來結束):
Error:Score is out of range! (70~100)
請輸入分數(輸入字元來結束):
Error:Score is out of range! (70~100)
請輸入分數(輸入字元來結束):
69.999999
請輸入分數(輸入字元來結束):
exit
Press any key to continue...
```

Extension: for 69.999999 == 70, check: Floating-point numeric types (C# reference)

```
Terminal
請輸入身高(公尺):
1.8
請輸入體重(公斤):
70
你的BMI指數為:21.6
診斷結果為: 正常範圍
Press any key to continue...
```



Syntax Hint: For 123,456,789 formatted number, check: Custom numeric format strings

```
Terminal
請在0~99間猜一個數字
Valid input:integer between 0 ~ 99
Valid input:integer between 0 ~ 99
Too small!
Too small!
Too small!
Too small!
Too small!
Too large!
BINGO!
Number of attempts:7
Press any key to continue...
```

Extension: Binary search algorithm

```
Terminal
請輸入要費氏數列中第n個數:(n >= 0)
20
第20個費氏數是6765
Press any key to continue...
```

Syntax Hint: Tuple types (C# reference)

extra_exercise_easy

```
Terminal
This function finds 3-Narcissistic Number.
153 is a 3-Narcissistic Number.
370 is a 3-Narcissistic Number.
371 is a 3-Narcissistic Number.
407 is a 3-Narcissistic Number.
Press any key to continue...
```

Syntax Hint: C#, Math.Pow()

Extra_exercise_medium



Syntax Hint: Tuple types (C# reference)

Extra_exercise_hard