

Programming Exam 3

Time: 2018.12.25 10:00 – 12:00

(將程式檔上傳至 Moodle，檔名：「**學號_quiz3.py**」；此外，將程式碼複製到**學號_quiz3.docx** [打上姓名系級學號、清楚標示題號]，並列印紙本交給助教。)

Note: You are required to write comments (註解) for each part in your code.

In this homework, based on the data we provided you “**kobe.csv**”, you can try to be the Kobe shot data analyst. You may want to use string, loops, **file**, and the data structures of list and **dictionary**..

學號_quiz3.py

(1) 請問 Kobe 在生涯所有球賽中，總共命中幾顆三分球?

Hint: shot_made_flag, shot_type

(2) 請問 Kobe 在生涯所有球賽中，對戰紐約尼克隊之灌籃命中率?

Hint: opponent=NYK, combined_shot_type=Dunk, shot_made_flag

(3) 請問 Kobe 在生涯所有球賽中，投籃命中率最高與最低的月份?

Hint: shot_made_flag, game_date

(4) 請問 Kobe 在季後賽對戰場次數最多的前四名球隊?

Hint: game_id, playoff, opponent

Bonus: 請問 Kobe 投籃連續命中最多球之前三名場次、連續命中球數、對手、及該場總得分?

Hint: game_id, shot_made_flag, shot_type, opponent

Sample Input and Output

```
D:\0碩二上\計概\hw5>python quiz3.py
(1) : 1782
(2) : 0.62
(3)
high:0.3841 5
low:0.3512 6
(4)
1:SAS
2:UTA
3:PHX
(B)
20600223 11 UTA 34
20000168 9 GSW 28
20601027 9 NOP 26
40700142 9 DEN 36
```