

Introduction to Computers and Programming

Homework 9 Week 11

Due date : 2020/12/10

1. You should read the file: **mbox-short.txt** for this exercise.
This program counts the distribution of the hour of the day for each of the messages. You can pull the hour from the "From" line by finding the time string and then splitting that string into parts using the colon character. Once you have accumulated the counts for each hour, print out the counts, one per line, sorted by hour as shown below.

Sample Output :

```
04 3
06 1
07 1
09 2
10 3
11 6
14 1
15 2
16 4
17 2
18 1
19 1
```

2. The attached file is the list of nominees and winners of the 57th Golden Horse Awards, which took place on November 21st. Please take the list as a dictionary and display the content as below. The first layer needs to be the name of awards, the second layer be the nominees (the first column in the file), and the third layer should be the representative (the second column in the file). the screen will show : **Winner!** , if what user typed is happened to be the prize winner.

You can also check the list from the website :

https://www.goldenhorse.org.tw/awards/nw/?search_type=award&sc=8&search_regist_year=2020&ins=49

Sample :

====Enter B to go back, enter Q to quit.====

```
最佳劇情長片
最佳紀錄片
最佳動畫長片
最佳劇情短片
最佳動畫短片
最佳導演
```

最佳男主角
最佳女主角
最佳男配角
最佳女配角
最佳新導演
最佳新演員
最佳原著劇本
最佳改編劇本
最佳攝影
最佳視覺效果
最佳美術設計
最佳造型設計
最佳動作設計
最佳原創電影音樂
最佳原創電影歌曲
最佳剪輯
最佳音效

Please enter:最佳劇情長片

日子
消失的情人節
同學麥娜絲
親愛的房客
手捲菸

Please enter: 日子

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==The last layer, enter B to go back, enter Q to quit.==

Please enter: B

日子
消失的情人節
同學麥娜絲
親愛的房客
手捲菸

Please enter: 消失的情人節

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Winner!

==The last layer, enter B to go back, enter Q to quit.==

Please enter: reji

Error message!

Please enter: Q

If international students or any of you have any problems about this homework, please feel free to contact TA 許芳馨 through an email.