

106360231_黃思齊_HW4-1 心得:

這次練習的內容大致上沒什麼問題照打就行了，不過在練習講義 P19 的時候遇到了 `scanf("%s",string1)`(下圖第 11 行)一直當機的情況，

字串陣列

- `scanf`函式會一直由鍵盤讀入字元，直到遇到第一個空白字元為止

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main (void)
5 {
6     char string1[20];
7     char string2[]="string literal";
8     int i;
9
10    printf("Enter a string: ");
11    scanf("%s",string1);
12
13    printf("string1 is: %s\nstring2 is: %s\n"
14          "string1 with spaces between characters is: \n",
15          string1,string2);
16
17    for (i=0;string1[i] != '\0';i++)
18        printf("%c ",string1[i]);
19
20    printf("\n");
21    system("pause");
22    return 0;
23 }
```



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之後上網查了一下發現將語法改成 `scanf_s("%s",string1,sizeof(string1))`就不會再發生此情況了，因為 `scanf_s` 可以加入參數控制緩衝器的大小以避免輸入資料的時候導致整個程式崩潰

參考資料: <https://stackoverflow.com/questions/21434735/difference-between-scanf-and-scanf-s>

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