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# ▶ Exercise

- ▶ i 學園繳交作業於今日 23:59 前  
分數打八折



## 課程小助教 (+5%)

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- ▶ 第一排：蕭名哲 110310105
- ▶ 第二排：林晟彥 110310114
- ▶ 第三排：謝旻烜 110310128
- ▶ 第四排：劉千榮 110310138
- ▶ 第五排：盧楷勛 110310144
- ▶ 第六排：盧奕帆 107310217
- ▶ 游 擊：張兆欣 107310217
- ▶ 蔡瑋傑 110310123
- ▶ 吳孟容 110310122



# Exercise1 - file I/O: case study

- ▶ Please enter 8 Students score and show the result down below in the file called “ test.txt ” (test.txt must be a blank file at the beginning).

Use the format:

```
FILE* fp;
int test[NUM];
int max, min;
int i, j;

fp = fopen("test.txt", "w");

if (fp == NULL) {
    printf("File could not be opened\n");
    return 1;
}
```

result:

```
Microsoft Visual Studio 偵錯主控台
Please enter 8 Students score:
Student1: 99
Student2: 88
Student3: 77
Student4: 66
Student5: 55
Student6: 98
Student7: 87
Student8: 76

Access complete!
```



| test - 記事本        |       |       |       |    |
|-------------------|-------|-------|-------|----|
| 檔案(F)             | 編輯(E) | 格式(O) | 檢視(V) | 說明 |
| Student1          | 99    |       |       |    |
| Student2          | 88    |       |       |    |
| Student3          | 77    |       |       |    |
| Student4          | 66    |       |       |    |
| Student5          | 55    |       |       |    |
| Student6          | 98    |       |       |    |
| Student7          | 87    |       |       |    |
| Student8          | 76    |       |       |    |
| Highest score: 99 |       |       |       |    |
| Lowest score: 55  |       |       |       |    |

# Exercise2

- ▶ Please enter 10 temperatures of celsius and show 4 results down below in the file called "Test.txt " (Test.txt must be a blank file at the beginning).

1. numbers of column    2. Temperatures of Celsius    3. Temperatures of Fahrenheit  
4. Fahrenheit temperature to binary the number of 1's.

Use the format:

```
int DisplayBits(unsigned int value);  
  
struct Temperature {  
    int Celsius;  
    int Fahrenheit;  
};  
typedef struct Temperature Temp;
```

result:

Microsoft Visual Studio 偵錯主控台

請輸入10個攝氏溫度。


10  
15  
20  
25  
30  
35  
40  
45  
50  
55




Test - 記事本

| 檔案(F) | 編輯(E) | 格式(O) | 檢視(V) | 說明 |
|-------|-------|-------|-------|----|
| 編號    | 攝氏    | 華氏    | 1的數量  |    |
| 1     | 10    | 50    | 3     |    |
| 2     | 15    | 59    | 5     |    |
| 3     | 20    | 68    | 2     |    |
| 4     | 25    | 77    | 4     |    |
| 5     | 30    | 86    | 4     |    |
| 6     | 35    | 95    | 6     |    |
| 7     | 40    | 104   | 3     |    |
| 8     | 45    | 113   | 4     |    |
| 9     | 50    | 122   | 5     |    |
| 10    | 55    | 131   | 3     |    |

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wk15\_ex1.txt

  
wk15\_ex2.txt

