CPP 程式設計題		
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題目名稱(中文/英文):FormWord		
主要測試觀念: File IO		
Basics	Functions	
C++ BASICS 1 FLOW OF CONTROL FUNCTION BASICS PARAMETERS AND OVERLOADING ARRAYS STRUCTURES AND CLASSES CONSTRUCTORS AND OTHER TOOLS OPERATOR OVERLOADING, FRIENDS, AND REFERENCES STRINGS POINTERS AND DYNAMIC ARRAYS	SEPARATE COMPILATION AND NAMESPACES STREAMS AND FILE I/O RECURSION INHERITANCE POLYMORPHISM AND VIRTUAL FUNCTIONS TEMPLATES LINKED DATA STRUCTURES EXCEPTION HANDLING STANDARD TEMPLATE LIBRARY PATTERNS AND UML	
題目說明: Some word games require the player to find words that		
can be formed using the letters of given the word SWIMMING then other Write a program that lets the user the words contained in the file wor the letters of the set word, One a	words WING, SING, MIMING, etc. set a word and then output all rds. txt that can be formed from lgorithm to do this is to	
compare the letter histograms for each word. Create an array that		

counts up the number of each letter in the set word (e.g., one S, one W. two I, two M, etc.) and then creates similar array for the current word read from the file. The two arrays can be compared to see if the word from the file could be created out of the letters from the set word.

以下提供此題部分 class member function,請同學根據部分的 class 完成 此題,請同學按照 Input-main1. cpp 實作,output1. txt 可以驗證答案,評 分時將會用 Input-main2. cpp 做檢查。

```
Class Form
private:
    string input;//輸入的字
    string fileName;//檔案名稱
public:
    void SetInputWord(string inputWord);//設定Input
    void ProcessInputWord();//處理 Input 的資訊
    void SetFileName(string fileName);//設定檔案名稱
    void Load_CompaerWord();//讀檔並且比較
    void PrintFoundWords();//印出符合的字
};
```

輸入說明:word.txt

輸出說明:請看 output1. txt

IO 範例:

	Sample Input	Sample Output
第一組測資與輸出	Input-main1.cpp	output1.txt
第二組	Input-main2.cpp	output2.txt

附屬資料:

☑解答程式:FormWord.cpp(檔名)

☑測試資料: input-main1.cpp, output1.txt, input-

main2. cpp, output2. txt

□ 易,僅需用到基礎程式設計語法與結構

■ 中,需用到多項程式設計語法與結構

□ 難, 需用到多項程式結構或較為複雜之資料型態或結構

解題時間:30分鐘。

其他註記:

1. 比較的時候不分大小寫,但是輸出請保留原本檔案的大小寫。

2. Input-main1. cpp 只是驗證是否與 output1. txt 相同,真正在評分的是 main2,只要評分時與 output2. txt 不相同,零分計算。