C 程式設計題

命題者：YCF

題目名稱(中文/英文)：Which date is earlier?

主要測試觀念： Selection Statements

Basics	Decision and Loops	Functions
☐ Keywords and Identifier	■ Programming if...else	☐ User-defined Functions
☐ Variables and Constants	☐ Programming for Loops	☐ Function Types
☐ Programming Data Types	☐ do...while Loops	☐ Programming recursion
■ Expressions	☐ break and continue	☐ Storage Class (variable life)
■ Basic Input/Output	☐ switch...case Statement	
☐ Programming Operators	☐ Programming goto	

Arrays and Strings	Pointers	Structure and Union
☐ Arrays	☐ Pointers And Arrays	☐ Structures and Pointers
☐ Multi-dimensional Arrays	☐ Pointers And Functions	☐ Structure and Function
☐ Arrays and Functions	☐ Dynamic Memory Allocations	☐ Programming Unions
☐ Strings and Functions		

Files I/O	Miscellaneous	Other
☐ Files Input/Output basics	☐ Enumeration	☐ Programming logic training
☐ Character I/O and String I/O	☐ Preprocessor	☐ Programming structure/design training
☐ Block I/O	☐ Low level programming	
☐ Advanced File I/O manipulations	☐ Error handling	☐ Localization issues
	☐ Standard/advanced library	☐ _____

題目說明：

Write a program that prompts the user to enter two dates and then indicates which date comes earlier on the calendar。

輸入說明：①年份界於 00~99，且輸入型式為:mm/dd/yy。

輸出說明：①如果兩輸入的日期中，存在一日期的月份不合法，則輸出"Month Error!"、日期不合法輸出"Day Error!"，如果兩個都有錯只需輸出"Month Error!"。②請判斷是否閏年！閏年時 2 月可有 29 日。

IO 範例 ：

	Sample Input	Sample Output
第一組測資與輸出	3/6/08　5/17/07	05/17/07 is earlier than 03/06/08
第二組側資與輸出	13/6/10　10/99/99	Month Error!
…		

附屬資料：
☑解答程式：which date earlier.c(檔名)
☑測試資料：input.txt, output.txt

■ 易，僅需用到基礎程式設計語法與結構（如單迴圈等）
☐ 中，需用到多項程式設計語法與結構（如雙層迴圈等）
☐ 難，需用到多項程式結構或較為複雜之資料型態或結構（如遞迴、串連等）

解題時間：20 分鐘。

其他註記：