## C程式設計題

命題者:潘韋誠 ————————————————————————————————————				
題目名稱(中文/英文): [	alculates the Grea	test Common Divis	or	
主要測試觀念: 迴圈應用	月			
Basics	Decision and Loc	ecision and Loops Functions		
☐ Keywords and Identifier ☐ Variables and Constants ☐ Programming Data Types ☐ Expressions ☐ Basic Input/Output ☐ Programming Operators  Arrays and Strings	□ Programming ifelse □ Programming for Loops ■ dowhile Loops □ break and continue □ switchcase Statement □ Programming goto  Pointers	□ User-defined Fur □ Function Types □ Programming recu □ Storage Class (v	☐ User-defined Functions	
☐ Arrays ☐ Multi-dimensional Arrays ☐ Arrays and Functions ☐ Strings and Functions	☐ Pointers And Arrays ☐ Pointers And Functions ☐ Dynamic Memory Allocation	☐ Structure and Funs ☐ Programming Unic	☐ Structures and Pointers ☐ Structure and Function ☐ Programming Unions	
Files I/0	Miscellaneous		0ther	
☐ Files Input/Output basics ☐ Character I/O and String I/O ☐ Block I/O ☐ Advanced File I/O manipulations	□ Enumeration       □ Programming logic training         □ Preprocessor       □ Programming structure/desi         □ Low level programming       training         □ Error handling       □ Localization issues         □ Standard/advanced library       □		cture/design	
輸入說明:輸入兩個正整數 輸出說明:輸出這兩個正整 must be positive!!! 提示:可使用輾轉相除法求數	<b>整數的最大公因數;若輸</b>	入非正整數,則輸出 Th	ne number	
IO 範例 :	Sample Input	Sample Output		
第一組測資與輸		4		
第二組	10 20	10		
第三組	-8 7	The number must be positive!!!		
附屬資料: ☑解答程式: GCD.c ☑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)

<ul><li>□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、串等)</li></ul>	連
解題時間: 20 分鐘。	
其他註記:	