C 程式設計題

命題者：TCC

題目名稱(中文/英文)：Repeat digit.

主要測試觀念： 陣列使用的基礎

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：判別輸入的字串中，是否有重複的數字(0-9)，若有重複則輸出該數字。(Write a program to check repeated digits in a given input string! Please print the digit if it is repeated.)

輸入說明：輸入一個字串 (input a string consisting of digits)

輸出說明：輸出重複的數字，每個不同的數字輸出時，以一個空格做區隔。若無重複數字，則輸出 No repeated digit. (Output each repeated digit delimiting with one space. If no repeated digit existing in the input string, then output "No repeated digit.")

IO 範例 :

	Sample Input	Sample Output
第一組測資與輸出	0123456789	No repeated digit.
第二組	939577	7 9
第三組	894156309120	0 1 9

附屬資料：
☑ 解答程式： repeat.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）

□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：10 分鐘。

其他註記：