

C 程式設計題

命題者：TWK

題目名稱(中文/英文)：Display Decimal in Octal

主要測試觀念：基本 Formatted IO

Basics	Decision and Loops	Functions
<input type="checkbox"/> Keywords and Identifier <input type="checkbox"/> Variables and Constants <input type="checkbox"/> Programming Data Types <input type="checkbox"/> Expressions <input checked="" type="checkbox"/> Basic Input/Output <input type="checkbox"/> Programming Operators	<input type="checkbox"/> Programming if...else <input type="checkbox"/> Programming for Loops <input type="checkbox"/> do...while Loops <input type="checkbox"/> break and continue <input type="checkbox"/> switch...case Statement <input type="checkbox"/> Programming goto	<input type="checkbox"/> User-defined Functions <input type="checkbox"/> Function Types <input type="checkbox"/> Programming recursion <input type="checkbox"/> Storage Class (variable life)
Arrays and Strings	Pointers	Structure and Union
<input type="checkbox"/> Arrays <input type="checkbox"/> Multi-dimensional Arrays <input type="checkbox"/> Arrays and Functions <input type="checkbox"/> Strings and Functions	<input type="checkbox"/> Pointers And Arrays <input type="checkbox"/> Pointers And Functions <input type="checkbox"/> Dynamic Memory Allocations	<input type="checkbox"/> Structures and Pointers <input type="checkbox"/> Structure and Function <input type="checkbox"/> Programming Unions
Files I/O	Miscellaneous	Other
<input type="checkbox"/> Files Input/Output basics <input type="checkbox"/> Character I/O and String I/O <input type="checkbox"/> Block I/O <input type="checkbox"/> Advanced File I/O manipulations	<input type="checkbox"/> Enumeration <input type="checkbox"/> Preprocessor <input type="checkbox"/> Low level programming <input type="checkbox"/> Error handling <input type="checkbox"/> Standard/advanced library	<input type="checkbox"/> Programming logic training <input type="checkbox"/> Programming structure/design training <input type="checkbox"/> Localization issues <input type="checkbox"/> _____

題目說明：Input an integer between 0 to 32767, then display it in octal (base 8).

輸入說明：無

輸出說明：The output should be displayed using five digits, even if fewer digits are sufficient.

IO 範例：

	Sample Input	Sample Output
第一組測資與輸出	1953	03641
第二組	8	00010
第三組	1026	02002
...		

附屬資料：

- ☒ 解答程式：DisplayDecimalInOctal.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：10 分鐘。

其他註記：