

C 程式設計題

命題者：

題目名稱(中文/英文)：Format product information

主要測試觀念：基本 formatted I/O 練習

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：Given a product information including item number, unit price and purchase date, please write a program to format the product information.

輸入說明：例如，輸入的 item number: 583, unit price: 13.5, purchase date (日期格式：mm/dd/yyyy): 10/24/2008

輸出說明：則輸出的格式：

Item No.	Unit Price	Purchase Date
583	\$ 13.50	10/24/2008

Please be noted that the item number and date should be left justified; the unit price should be right justified. Also, we allow dollar amounts up to \$9999.99.

I/O 範例：

	Sample Input	Sample Output
第一組測資與輸出	583 13.50 10/24/2008	Item No. Unit Price Purchase Date 583 \$ 13.50 10/24/2008
第二組	10 200.3 01/01/1999	10 \$ 200.30 01/01/1999
...		

附屬資料：

☒解答程式：FormatProductInfo.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：