C程式設計題

命題者:TWK			
題目名稱(中文/英文): Compute Sphere Volume			
主要測試觀念: 簡易算式之表示與計算			
Basics	Decision and Lo	ops Functions	
□ Variables and Constants □ I □ Programming Data Types □ C ■ Expressions □ I □ Basic Input/Output □ S	Programming ifelse Programming for Loops dowhile Loops break and continue switchcase Statement Programming goto	☐ User-defined Functions ☐ Function Types ☐ Programming recursion ☐ Storage Class (variable life)	
Arrays and Strings	Pointers	Structure and Union	
☐ Multi-dimensional Arrays ☐ D	Pointers And Arrays Pointers And Functions Dynamic Memory Allocation	☐ Structures and Pointers ☐ Structure and Function ons ☐ Programming Unions	
Files I/0	Miscellaneous	0ther	
□ Files Input/Output basics □ Enumeration □ Programming logic training □ Character I/O and String I/O □ Preprocessor □ Programming structure/design □ Low level programming □ Localization issues □			
IO 範例 :	Sample Input	Sample Output	
第一組測資與輸出	1	4.188790	
第二組	5	523.598776	
第三組	10	4188.790204	
附屬資料: ☑解答程式: ComputeSphereVol.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			

解題時間: 分鐘。	
其他註記:	