

Assignment

You are asked to write a program managing a mobile phone store. Each phone has the following information:

- Serial: the unique serial number of phone (char*, 10 characters)
- Manufacturers: the manufacturers of phone (char*, 30 characters))
- Price: the price of phone (a positive number)
- Color: the color of phone
- IsSold: the phone is sold or not

1. (0.5p) Define a structure to store phone information.
2. (2.0p) Input a **list of n phones**.
3. (1.5p) Write the phone list to a text file "output01.txt".
4. (2.0p) Sell a phone: input an **<serial>**, print out all information of that phone if it is not sold. And remember that you have to mark that phone is sold.

If that phone's serial has not existed, print out "**<serial> not found**."

5. (2.0p) Find phones: input the price and color, print all phones whose have both inputted price and color information.
6. (2.0p) Write all phones which are sold to a binary file named "output02.bin". **(dùng loại tập tin văn bản txt, không cần dùng nhị phân)**

NOTES:

- Students must use **dynamic array**

~~= Accepted file name for submission: **StudentID_W07_ExpectedPoint.zip**~~

~~For example: **19121234_W07_05.zip**~~