CSCD 240 Lab 12

SPECIFICATIONS

- I have provided an <u>unchangeable</u> cscd240Lab12.c file.
- In Lab 11 you wrote the stock structure, the fillArray function, the menu function, and the printArray function. You will need those for this lab.
 - o Take your fileUtils.h and fileUtils.c and place them in the utils folder
 - o Copy lab11.c and rename it lab12.c
 - o Change your #include from "lab11.h" to "lab12.h"
 - o Don't forget to change the #ifndef and #define in your lab12.h to LAB12 H
 - o Delete the symbolsSort, namesSort and pricesSort headers.
 - o Add the function code for compareSymbols, compareNames, and comparePrices
 - Each will return an int
 - Each will take two parameters const void * one, const void * two
 - Think of each one of these as a Comparator compare method from Java

We are reusing a good portion of our code from lab 11. It is all about function pointers and the built in qsort function. man qsort for more information. Output is still the same

TO TURN IN

Submit a zip file of your Lab12 folder containing

- Your C files and H file(s)
- My Makefile
- Your input file(s)
- Include an output captures from running your program named cscd240lab12out.txt.

Your zip will be named your last name first letter of your first name lab12.zip (Example: steinerslab12.zip)

SAMPLE RUN

Please choose from the following

- 1) Sort by Symbol
- 2) Sort by Company Name
- 3) Sort by Price
- 4) Quit

Choice --> 1

Google - GOOG - 721.110000 Hillenbrand Inc - HI - 30.650000 Microsoft - MSFT - 53.240000 Charles Schwab - SCHW - 31.370000

Please choose from the following

- 1) Sort by Symbol
- 2) Sort by Company Name
- 3) Sort by Price
- 4) Quit

Choice --> 2

Charles Schwab - SCHW - 31.370000 Google - GOOG - 721.110000 Hillenbrand Inc - HI - 30.650000 Microsoft - MSFT - 53.240000

Please choose from the following

- 1) Sort by Symbol
- 2) Sort by Company Name
- 3) Sort by Price
- 4) Quit

Choice --> 3

Hillenbrand Inc - HI - 30.650000 Charles Schwab - SCHW - 31.370000 Microsoft - MSFT - 53.240000 Google - GOOG - 721.110000

Please choose from the following

- 1) Sort by Symbol
- 2) Sort by Company Name
- 3) Sort by Price
- 4) Quit

Choice --> 4

