

CSCD 255

Lab 9

SPECIFICATIONS

- I have provided an **unchangeable** cscd255Lab9.c file. Your task is to write the functions.
- You will need to create a structure named Stock.
- The Stock structure will only contain
 - char symbol[10];
 - char companyName[100];
 - double currentPrice;
- The menu portion will contain:
 - 1) Print the array sorted by symbol
 - 2) Print the array sorted by company name
 - 3) Print the array sorted by current price
 - 4) Quit
- You must verify range of the menu.
- The input will come from the keyboard, name entered by the user. I have provided a text file and a sample run so you can see how the data will be entered.
- There is nothing tricky here, no hidden agenda, just trying to get you to work with structures.
- You must write your own sort, you can't use qsort or any built in sort.

INPUT

symbol

company name

current price

TO TURN IN

Submit a zip file of Lab9

- Containing your C files and H file(s)
- My Makefile
- Your input file(s)
- Include an output captures from running your program named cscd255lab9out.txt.
- NOTE: nothing dynamic here so no valgrind

Your zip will be named your last name first letter of your first name lab9.zip (Example: steinerslab9.zip)

SAMPLE RUN

./main

How many stocks 2
Enter the Stock Symbol MSFT
Enter the Company Name Microsoft
Enter the Stock Price 123.45
Enter the Stock Symbol GOOG
Enter the Company Name Google
Enter the Stock Price 654.32

Please choose from the following
1) Sort by Symbol
2) Sort by Company Name
3) Sort by Price
4) Quit
Choice --> 1

Google - GOOG - \$654.32
Microsoft - MSFT - \$123.45

Please choose from the following
1) Sort by Symbol
2) Sort by Company Name
3) Sort by Price
4) Quit
Choice --> 2

Google - GOOG - \$654.32
Microsoft - MSFT - \$123.45

Please choose from the following
1) Sort by Symbol
2) Sort by Company Name
3) Sort by Price
4) Quit
Choice --> 3

Microsoft - MSFT - \$123.45
Google - GOOG - \$654.32

Please choose from the following
1) Sort by Symbol
2) Sort by Company Name
3) Sort by Price
4) Quit
Choice --> 4
all done