CSCD 240
Lab 9

SPECIFICATIONS

- I have provided an **<u>unchangeable</u>** cscd240Lab9.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;
        char *companyName;
        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 a file, name entered by the user. You must ensure the file opens.
- I have provided some functions; you will need to write some code yourself. Look through the .c files to see what methods you will need to write.
- You must write your own sorts.

FILE STRUCTURE

symbol
company name
current price

TO TURN IN

Submit a zip file of Lab9

- Containing your C files and H file(s)
- Your input file(s)
- Include an output captures from running your program named cscd240lab9out.txt.
- Include a valgrind capture showing your program is leak free named cscd240lab9val.txt

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

```
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

all done
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