CSCD 240
Lab 11

SPECIFICATIONS

- I have provided an **unchangeable** cscd240Lab11.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 a file, name entered by the user. You must ensure the file opens.
- 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.

FILE STRUCTURE

symbol
company name
current price

TO TURN IN

Submit a zip file of Lab11

- Containing your C files and H file(s)
- My Makefile
- Your input file(s)
- Include an output captures from running your program named cscd240lab11output.txt.
- NOTE: nothing dynamic here so no valgrind

Your zip will be named your last name first letter of your first name lab11.zip (Example: steinerslab11.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

all done
```