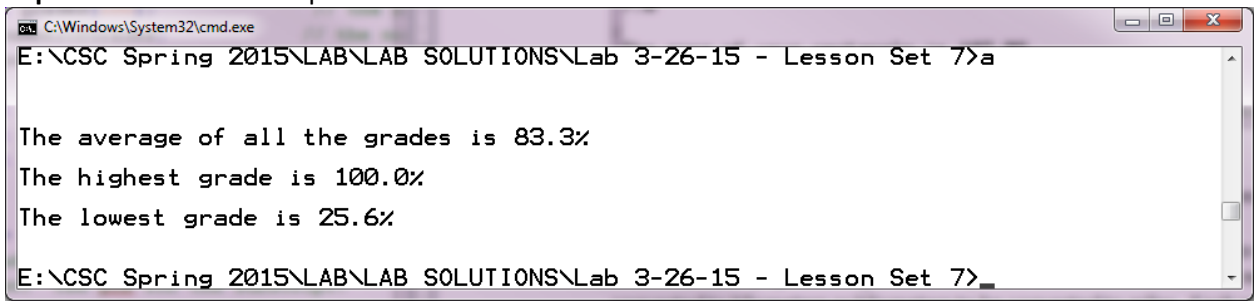
LAB DIRECTIONS for LAB 3/26/2015

Based on Lesson Set 7

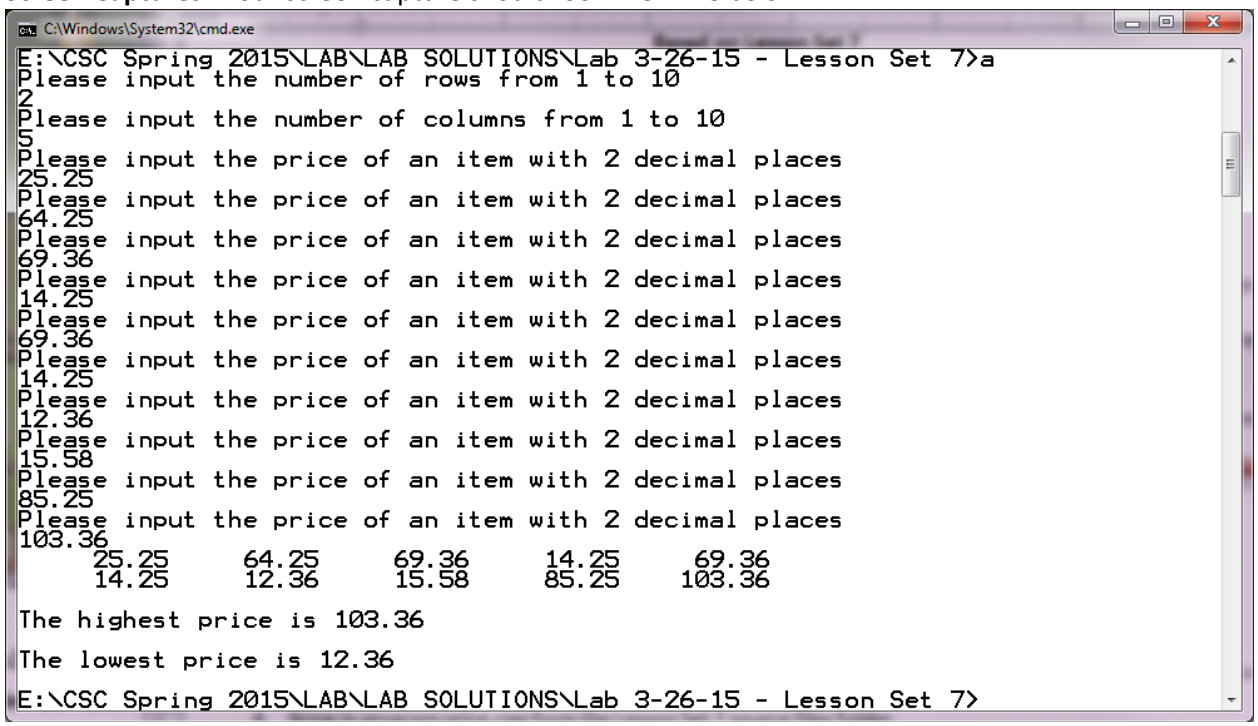
1. Create a folder named **Lesson Set 7**. Put all files you create for this lab in this folder.

2. Download the **Lesson Set 7 source files** from ilearn and extract them into your Lesson Set 7 folder on your computer or jump drive.

3. Bring in program **testscore.cpp** and the text file **grades.txt** from the **Lesson Set 7 source files** folder.
   a. You will need to complete the program adding the appropriate header files, completing the main function and completing the findHighest and findLowest functions. The program should read the grades from grades.txt, putting the values read in to the grades array. Then, the program should find the average & print it out. Then the program should find the highest grade & print it out. Then the program should find the lowest grade & print it out.
   b. Compile & run the program. The user does not enter any input in this program.
   c. Take a screen capture of the program running and paste in a word document titled **Lesson Set 7 Screen Captures**. Your screen capture should look like mine below:



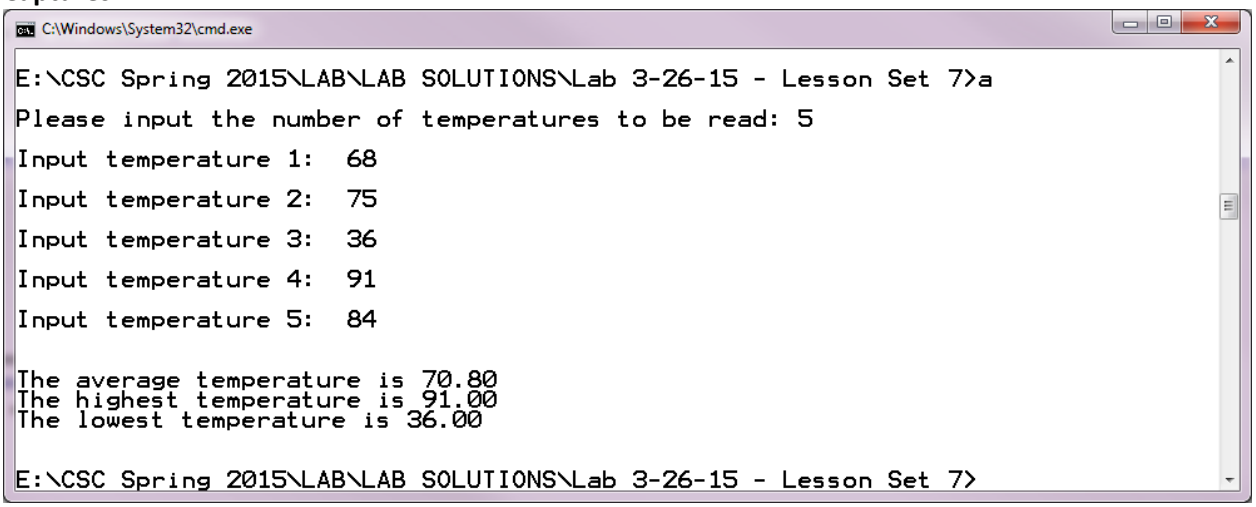
4. Bring in program **price.cpp** from the **Lesson Set 7 source files** folder.
   a. You will need to complete the program by following the directions in the comments of the code. Complete the program so that you will have the same output as I did in my screen capture below.
   b. Compile & run the program using the same numbers as in my screen capture below.
   c. Take a screen capture of your program running and paste it in a word document titled **Lesson Set 7 Screen Captures**. Your screen capture should look like mine below:



5. The next program you will write from scratch – there is no code to bring in from the source files folder. Name your program **temperatures.cpp**.
    a. Write a program that will input temperatures for consecutive days. The program wills tore these values into an array and call a function that will return the average of the temperatures. It will also call a function that will return the highest temperature and a function that will return the lowest temperature. The user will input the number of temperatures to be read. There will be no more than 50 temperatures. The average should be displayed to two decimal places.

    b. Compile and run the program using the data in the sample screen capture below.

    c. Take a screen capture of the program running and paste in the document titled **Lesson Set 7 Screen Captures**.



What to Turn In: (by Wednesday, April 1, 2015)

- testscore.cpp
- price.cpp
- temperatures.cpp
- Lesson Set 7 Screen Captures

How you will be graded

testscore.cpp	5 points	Program compiles with no errors
	5 points	Program code is neat & includes complete comment block
	10 points	Follows specifications / correct calculations
	5 points	Neat output
price.cpp	5 points	Program compiles with no errors
	5 points	Program code is neat & includes complete comment block
	10 points	Follows specifications / correct calculations
	5 points	Neat output
temperatures.cpp	5 points	Program compiles with no errors
	5 points	Program code is neat & includes complete comment block
	20 points	Follows specifications / correct calculations
	5 points	Neat output
Lesson Set 7 Screen Captures	15 points	Screen capture for all three programs was included (5 points each)