Lesson 6 Assignment

For the assignment, complete as many of these as your time permits.

1. Try using if statements for other purposes. For example, ask for two numbers from the keyboard, and then display the larger. If you have difficulties, you can check my solution here:

    See my answer

2. Perhaps you noticed one peculiarity about our driver program: If the user enters a bad type, it still asks for a temperature, even though it's not going to use it. See if you can rearrange the logic to check the type first and not ask for a temperature if the type is invalid. Let me know if you have any questions about how to do that. Here's my solution if you'd like to compare it to yours:

    See my answer

3. If you're looking for something a little more challenging, ask for two character strings, and then display them in alphabetical order. You'll need to check out the methods named compareTo() and compareToIgnoreCase() in the String class in order to make this work. Again, here's my solution if you'd like to compare it to yours:

    See my answer

4. If you were a real glutton for punishment in the last lesson and wrote the quadratic formula, use an if statement to make sure the *discriminant* (the value under the square root symbol) is not negative before attempting to calculate the results. Again, here's a solution:

    See my answer

Stop by the Discussion Area to share your experiences if you have a chance!