Assessment Instructions

Instructions: For this assessment, you are going to modify the classes you have made in the second assessment, to implement Comparable<t>.

1. Create a folder called **Assessment** in your Unit 5 assessments folder.
2. You are to create an abstract class called **`Homework3`**.

a. It will be same as **`Homework2`**, but also implement **`Comparable<Homework2>`**.

b. It will implement **`compareTo()`** using the number of pages. Homework can be ordered based upon the pages that are part of the homework.

c. Save the class as **Homework3.java**.

3. You are to create a class called **`MyMath3`** that extends class homework.

a. **`MyMath3`** will be the same as **`MyMath2`**, except it extends **`Homework3`**.

b. Save the class as **MyMath3.java**.

4. You are to create a class called **`MyScience2`** that extends class homework.

a. **`MyScience3`** will be the same as **`MyScience2`**, except it extends **`Homework3`**.

b. Save the class as **MyScience3.java**.

5. You are to create a class called **`MyEnglish2`** that extends class homework.

a. **`MyEnglish3`** will be the same as **`MyEnglish2`**, except it extends**`Homework3`**.

b. Save the class as **MyEnglish2.java**.

6. You are to create a class called **`MyJava2`** that extends class homework.

a. **`MyJava3`** will be the same as **`MyJava2`**, except it extends **`Homework3`**.

b. Save the class as **MyJava3.java**.

7. Create a test program called **TestHomework3.java** to test your class. Use an ArrayList of type **`Homework3`** to test your class (Remember to declare it properly using List). Demonstrate the results of **`compareTo()`**.

Your output should be similar to: