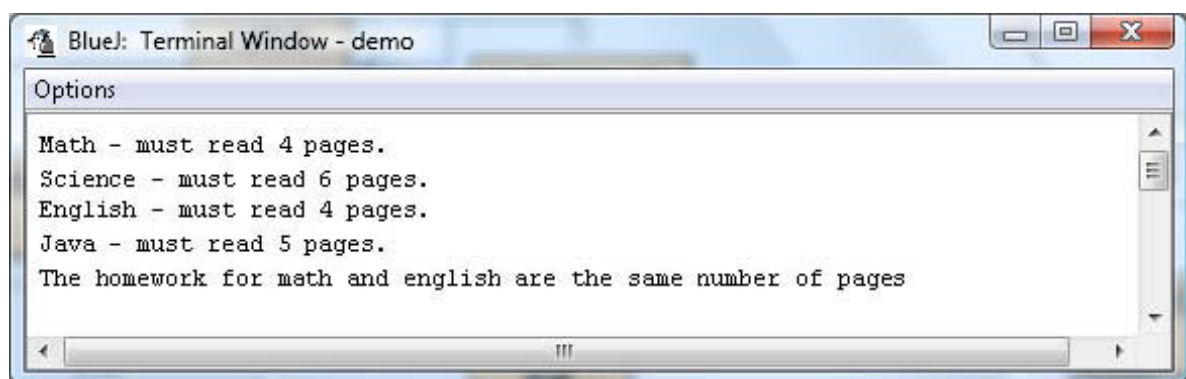


## Assessment Instructions

**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:



```
Options
Math - must read 4 pages.
Science - must read 6 pages.
English - must read 4 pages.
Java - must read 5 pages.
The homework for math and english are the same number of pages
```