15.03 Assignment Notes

Instructions: For this assignment, you are going to created an abstract class and then extend it.

1. Create a folder called 15.03 Assignment in your Mod15 assignments folder.

a. Create an interface called Processing.
b. Processing will have one method called doReading().
c. Save the class as Processing.java.

2. You are to create an abstract class called Homework2.
a. It will be same as Homework but also implement Processing.
b. It will not implement doReading().
c. Save the class as Homework2.java.

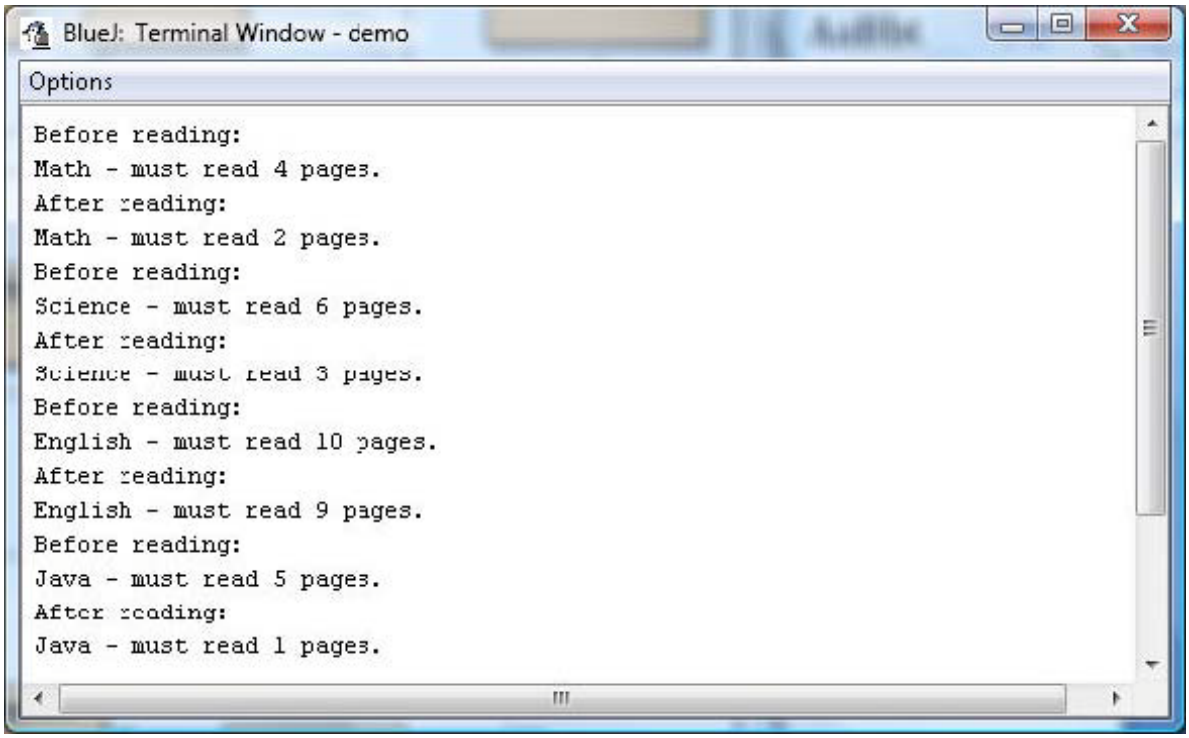
3. You are to create a class called MyMath2 that extends class homework.
a. MyMath2 will be the same as MyMath, however it will also implement doReading().
b. MyScience2 should implement the doReading() method as subtracting 2 pages from the pages read at a time.
c. Save the class as MyMath2.java.

4. You are to create a class called MyScience2 that extends class homework.
a. MyScience2 will be the same as MyScience, however it will also implement doReading().
b. MyScience2 should implement the doReading() method as subtracting 3 pages from the pages read at a time.
c. Save the class as MyScience2.java.

5. You are to create a class called MyEnglish2 that extends class homework.
a. MyEnglish2 will be the same as MyEnglish, however it will also implement doReading().
b. MyEnglish2 should implement the doReading() method as subtracting 1 pages from the pages read at a time.
c. Save the class as MyEnglish2.java.

6. You are to create a class called MyJava2 that extends class homework.
a. MyJava2 will be the same as MyJava, however it will also implement doReading().
b. MyJava2 should implement the doReading() method as subtracting 4 pages from the pages read at a time.
c. Save the class as MyJava2.java.

7. Create a test program called TestHomework2.java to test your class. Use an ArrayList of type Homework2 to test your class (Remember to declare it properly using List). Show the reading assignment before calling doReading() and then after calling it.
Your output should be similar to:


BlueJ: Terminal Window - demo
Options
Before reading:
Math - must read 4 pages.
After reading:
Math - must read 2 pages.
Before reading:
Science - must read 6 pages.
After reading:
Before reading:
English - must read 10 pages.
After reading:
English - must read 9 pages.
Before reading:
Java - must read 5 pages.
After reading:
Java - must read 1 pages.