Lab 1

Collections Framework

Grading: 100 points

Description: In this lab you will get practice using the classes in the Java collections framework.

1. Create a new Java Project in Eclipse called Lab 1.

2. You have been given 1 Java files, CollectionChallenge.java. Put that file in the src folder of your Eclipse workspace and refresh the project in Eclipse.

3. CollectionChallenge.java has 5 methods that must be implemented by you. A description of what the method should do is written in the Javadoc comments above each method. The first 2 methods have requirements, make sure to read what's required.

4. Implement each method and run the program. A tester is included in the main method to check your work.

5. Submit the CollectionChallenge.java file only.

Grading

90 points

Each method is worth 18 points each.

10 points

Your name: Add your name to the top of the .java file after the Javadoc annotation @author

Package: Do not put your code in a package. This makes it difficult for the TAs to grade your submission.

Readability: Make sure your code is indented and neatly commented. You can use cntl a, cntl i to have Eclipse automatically indent your code properly. Do not leave old commented out code in your submission.

Compilation: If your code does not compile, you will receive a 0 on the lab. Once notified, you will have 3 days to fix the lab to receive partial credit, up to 75%.