Assessment Instructions

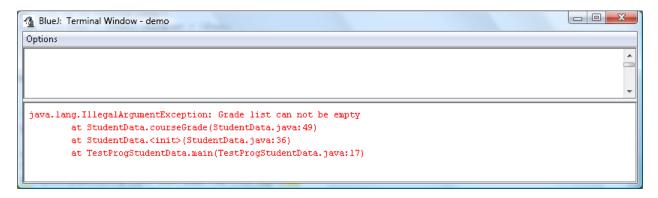
Instructions: For this assessment, you are going to use assertions and exceptions.

- 1. Create a folder called **Assessment** in your Unit 9 assessments folder.
 - a. Create class called StudentData.
 - b. StudentData will need instance variables **firstName**, **lastName**, **testScores**, and **grade** (of types **String**, **String**, **double**[], and **char** accordingly).
 - c. **StudentData** will need appropriate methods and constructors. Make sure to have a **toString()** method that prints the music in the following format:

 John Doe 89.00 78.00 95.00 63.00 94.00 B

 Save the class as **StudentData.java**.
- 2. You are going to modify your StudentData.java to make sure that you include assertions and then throw exceptions accordingly.
 - a. Add a method called **courseGrade(double** [] **list)** that assigns the student a grade based on the average of their test scores contained in list. You should throw an illegal argument exception if the list is empty.
 - b. Modify your constructor to assign the grade after placing a call to **courseGrade()** passing it testScores.
 - c. Modify your constructor to test to make sure than when a name is assigned to a student using the constructor, it is tested to make sure that **firstName** and **lastName** are not assigned empty values.
 - d. Test your program and make sure your methods work. Save your test class as **TestProgStudentData.java**.

Your output when testing might be similar to this:



After you have tested your program's exception handling, a valid output (that works) might look like this:

