4321/5321 Homework 4

Spring 2020

Question Weighting:

Question 1-5 - 20 percent each

**Files provided to you.**

Java source files - this is the code you developed test cases to in HW 3

1. Each Java file is attached in the Canvas zip file. Please use these files. DO NOT modify the code - if you have to modify the code there is something wrong with your test.

Excel Test Cases Tables

1. These are the test case tables from HW 3. You will save as a csv file to use with JUnit

**Submittal items**

Submit the following in the PDF file for each problem

1. Test case table snapshot
2. JUnit pass indicator (green bar expanded to see values where possible)
3. JaCoCo statement green source line annotations (not JaCoCo summary). Make sure to include the time stamp on each JaCoCo screen shot.

Include in ZIP file

1. Your homework solution as a pdf or Word (previous item)
2. JUnit test files (make sure problem number is referenced in the file name)
3. csv files used (make sure problem number is referenced in the file name)

Problem 1

Use the code from Canvas and the provided test cases we developed from Homework 3. Implement this using the **JUnitParamsRunner**. For the expected value of balance use a comparison threshold of **0.01** for assertEquals.

Problem 2

Use the code from Canvas and the test cases we developed from Homework 3. Implement this using the **FileParameters** (read the values from a file).

Problem 3

Use the code from Canvas and the provided test cases from Homework 3. Implement this using the **FileParameters** (read the values from a file).

Problem 4

Use the code from Canvas and the provided test cases from Homework 3. Implement this using the **FileParameters** (read the values from a file).

Problem 5

Use the code from Canvas and the provided test cases from Homework 3. Implement this using the **FileParameters** (read the values from a file). For the expected value of y use a comparison threshold of **0.001** for assertEquals.

**Submission Evidence (numbers below correspond to numbers above in the assignment section).**





1. **Snapshot for JaCoCo coverage report ( HW 4 and HW 5) must include the timestamp of the local machine**
2. Submit your HW 4 as a single zip file in accordance with the class HW submission standards