**You are to work independently but are encouraged to ask others for help if you need to but YOU need to write the code and understand it**

1. Create a Java project in Eclipse called **HW\_01-FileIO**
2. Do NOT add a package to your project.
3. Add a class to your project called Tester
4. In your main() method:
   1. Create the code that will ask a teacher to enter in the name and 4 test scores for their students. If user enters the word ‘done’ the looping will break. An example run would look like this:

Name (enter ‘done’ to finish): Tom Ryan

Test 1: 63

Test 2: 79

Test 3: 48

Test 4: 100

Name (enter ‘done’ to finish): Sally Right

Test 1: 82

Test 2: 88

Test 3: 95

Test 4: 98

Name (enter ‘done’ to finish): done

* 1. After each name and 4 grades are entered write the data to a text file called **studentData.txt**
  2. Close the file (this, of course is done in the finally {} part of the code above) and then open the file for reading.
  3. Loop through the file reading the student name and 4 grades and print the data to the console. You will print the student’s name, their average, their letter grade, their average by dropping the lowest grade and the difference between averages. Your output should look something like the following:

**Name Grade Letter Grade Grade (- Lowest) Difference**

**--------------------- -------------- -------------- ---------------------- ----------**

**Tom Ryan 72.5% C 80.7% 8.2**

**Sally Right 90.8% A 93.7% 2.9**

1. At the top of your Tester file add the following lines:

/\*\*

\* Homework - 01

\* Due: 9-2-18 by 11:59 pm

\* File IO using Scanner and PrintWriter

\*

\* **@author** *put your name here*

\*

\*/

1. Upload ONLY your Tester.java file to Canvas

**Rubric:**

Program works as expected: 0-5

Code is complete with all requirements: 0-5

Code is neat and organized: 0-5

Coded well: 0-5

Code is free from human input error: 0-5