CS 4501/6501: Assignment 2
Due 7-Sep-2017

Purpose: Hands-on experience with JUnit

Consider the [cal()](#) program. Develop at least 10 JUnit tests to evaluate the cal() function *only;* ignore the main method. Since there is a precondition excluding basically all invalid inputs, you should test normal behavior only.

Identify at least one possible fault that you could install into cal() method that your tests **do not** find.

Identify at least one possible fault that you could install into cal() method that your tests **do** find.

Turn in a brief write-up (**no handwriting**) along with your JUnit tests. Your write-up should give an assessment of your test set as well as the faults required.

Grading Rubric

[Total: 20 points]
Submit a **brief** report in two parts:

- (12 points) — JUnit tests
  - (10 points) At least 10 JUnit tests that compile and run (a single .java file)
  - (2 points) Evidence that your JUnit tests run (may be a screenshot)
- (8 points) — Write-up
  - (4 points) Justification of why your JUnit tests are appropriate
  - (2 points) Discussion of fault missed by your test set
  - (2 points) Discussion of fault found by your test set

Submission

Zip all of your files into a single .zip file. Your file should have the name *yourfirstname-initial* followed by *yourlastname-hw2* (for instance, *UPraphamontripong-hw2*). Submit your .zip file to **Collab**. If you work in group, be sure to include all names in the report. Each team submits only **one** copy.

Making your report available to me and the TAs is **your** responsibility; if we cannot access your file then you will not get credit. Be sure to test access to your file before the due date.