Write the following application. Make sure to comment your code and that your name is in a comment line at the beginning of code. You will be using the GUI BB or Android lecture to complete this assignment. The implementation of the GUI is left for you, but it should be intuitive to use. You may need to use several layouts in order to make the interface usable.

For 4730 students write one of the following. For 5730 students, write both.

**Calculator:**
Write a calculator program. The user will be enter numbers, both integer and real numbers. The calculator is to have the following functions: add, subtract, multiply, divide, power of, negate. It will also have the standard function of storing and retrieving a value from memory (normally shown as M on most calculators), clear and delete as well.

**Tip calculator:**
This is a useful program for most people when they are at a restaurant and need to figure some information quickly with the bill. Your program will do the following:
Enter the amount, percent of the tip to be left, and whether they want to round the total to the nearest dollar amount.

Also it will have split functionality. The number of people will be entered and the bill and tip (listed separately) and the total for each person is shown. The default value is 1 person.

**TURN IN and GRADING:**

Hard copy:
1. A cover page with Name, program #1, and blackberry or Android, cosc 4730 or 5730 depending on which class you enrolled in.
2. Printed directions for how to play, which simulator is need to run this (include special information like screen size for the android)
3. Print the java code (Android users don’t need to print xml documents).

Soft copy:
1. Put an exported copy of the code in
   \lamont.cs.uwyo.edu\courses\cosc4730\students\<lastname>\program2\ the source code (project directory)
   a. 5730 students, there should two files, one for each program.
2. A text file with directions for how to use the application, which simulator is need to run this (include special information like screen size for the android)

Code will be graded on correctness, comments, and coding style.