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Intro to programming Lab 2 (arithmetic, print statements, if statements, loop statements, and Random class tutorials)

Work your way through the listed tutorials to try to solve the following problems:

1. Create a program that runs (boiler plate from the first lab should be enough to solve this one),
2. Create a program that:
 - a. demonstrates a problem where parentheses are needed for the arithmetic to evaluate properly,
 - b. prints your arithmetic statement, with explanation as to why the parentheses are necessary, using either a print statement or a println statement,
 - c. prints your arithmetic statement, again with explanation, using the printf statement.
3. Now create a program that uses if statements and loops to print something interesting based on random values from the entire range of short values. Something interesting might include facts about certain numbers or when a number is particularly close to one extreme of the number range or the other. (be sure to have the program print information stating what is going on so that the user of the program knows what is happening)

Hint: remember to compile and run the program regularly after each small change so that if something goes wrong, you will more easily be able to know where your problem is.

Remember to submit your source file(s) for labs (no need to turn in any files created through the tutorials).