

COSC 201 – Lab #11

Random Random Random

Purpose: to roll your own LCG.

Tasks:

- 1.) Open Eclipse and start a new Java Project called RandomProject.
- 2.) You will create a class called myRandom. In that class, create a linear congruential generator and allow for the following methods and constructors:
 - public myRandom() – should use the system time as the seed value
 - public myRandom(long n) – should use n as the seed value
 - public long nextInt() – should return the next integer in the sequence
 - public long nextInt(long bound) – should return the next integer in the sequence, from 0 to bound (inclusive).
- 3.) Turn in your code via the Digital Dropbox in Blackboard by start of class Monday.