

# Practice Assignment: W03\_09-14\_1

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CISC 3120 Section ER6  
Design and Implementation of Software Applications I

**Q1.** This assignment helps review flow controls in Java. You will write a program that generates 50 random integers. For each integer, use an `if-then-else` statement to classify it as greater than, less than, or equal to next randomly generated integer.

The **LearnJava** project in the “sampleprograms” repository contains examples to generate random integers.

In addition to the above requirement, observe the following.

1. You must create a Maven project in Eclipse for this assignment, commit and push the project to Github.
2. You must write at least two Java classes, one is the “drive” class that calls a method of the other.

Submit your work by pushing your code to the Github repository.

**Q2.(Bonus)** This is a bonus question. An acceptable answer to this question will replace one “U” grade. In this assignment, you will Write a program that uses *two* nested for loops and the modulus operator (%) to detect and print prime numbers (integral numbers that are not evenly divisible by any other numbers except for themselves and 1).

Make sure you have two projects each corresponds to a question and submit your work by pushing your code to the Github repository if you answer this question.