

# SWE 619 Assignment 10

## Fall 2019

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**Goal:** Object class contracts.

As it happens, Liskov's implementation of `clone()` for the `IntSet` class (see figure 5.10, page 97) is wrong.

- Use the [version](#) of `IntSet` from the in-class exercise. Implement a subtype of `IntSet` to demonstrate the problem. Your solution should include appropriate executable code in the form of JUnit tests.
- Provide a correct implementation of `clone()` for `IntSet`. Again, give appropriate JUnit tests.
- Correctly override `hashCode()` and `equals()`. As discussed in the class exercise, the standard recipe is not appropriate in this (unusual) case.
- In addition to code and tests, your deliverable is a **story**. Explain what is going on at each stage of the exercise. The GTA will primarily grade your story.