

CSCI 162 Homework 3

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Due: Sept 21th @ 11:59PM

1. What is a class invariant? Why is it important
2. What is a generic in Java? What is a wrapper class and why is it needed?
3. Suppose we had a Book class which stores a String title and int pageCount. Implement a clone() method (**NOTE:** for the homework, I expect you to use a try-catch block)
4. What is a Collection? How is a Collection different from an array?
5. Implement IntArrayMultiset's ensureCapacity method.