Lab 14 :: Linked List

In this lab you will write your own linked list implementation of the APList interface. It should pass all of the unit tests provided.  BONUS: implement an iterator for it.

Description:
1. The starting project contains a class called MyLinkedList which we started in class, that is the beginning of an implementation of the APList interface. The javadoc comments above each method should give you enough information to work with.

2. Minimum requirement is to implement the following methods:
   - add(Object o) — already done
   - add(int index, Object o) – no test for this one
   - get(int index)
   - set(int index, Object o)
   - remove(int index)

3. MyLinkedList has a JUNIT testing class attached. Your code must pass all of the tests for the minimum set of methods. NOTE: there are 4 tests for remove, and no test for add(index, obj)

4. Extra: implement an Iterator (LLIterator) for your LinkedList. It’s actually rather straight forward. The Iterator just maintain a reference to some node in the list, advancing to the next node when next() is called. If you’re having trouble, ask Mr. Franke about it.

Grading:
Passing the tests (except for iterator): B+
Passing the tests with clean, concise code: A–
Iterator: A