62:206 Lab 10

1. Complete the SinglyLinkedClass to work properly, check all the methods, some are done, some are not. Test all methods in main for proper functionality.
2. Find the running times in Big O-notation for the following methods if your list contains n elements:

(a) public E removeAtLast() O(n) because we have no tail so we need to count through the whole list to find the end

(b) public E removeAtFirst() O(1) we can just add it to the beginning without looping through anything

(c) public void insertAt(n/2, data) O(n) because the worst scenario would be looping through O of n to find the right position to do the inserting at. Also I’m pretty sure that n/2 is still O(n)?

Justify your answers.