## PART 2 TIME COMPLEXITY ANALYSIS

LinkedList ADT removeFrom function

T(n) : O(n) Linear

Moving from node to node by the order of index amount of times (n) until we found it

LinkedList ADT removeAll function

T(n): O(n square) Quadratic

Moving from node to node by the order of index amount of times (n) until we found it and remove it (n)

LinkedList ADT isEmpty function

T(n) : O(1) Constant

1 comparison is performed (if head points to null)