**CSE220: Data Structures (Lab)**

**Fall 2024**

**Lab Quiz - 02**

**Duration: 20 Minutes**

| **Name:** | **ID:** | **Section:** |
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Write a function/method called **reverse\_last\_N()** that takes the head of a singly linked list and an integer N in its parameter. The method creates a new LinkedList where the last N elements of the given list are reversed. Finally, the method returns the head of the newly created linked list.

**Note:** You can assume that a Node class is already given. Also N will be less than the length of the given list

| **Sample Given Linked List** | **Sample returned Linked List** |
| --- | --- |
| **10-->15-->34-->41-->56-->72-->78-->91, N = 4** | **10-->15-->34-->41-->91-->78-->72-->56** |
| **10-->15-->34-->41-->56-->72-->78-->91, N = 7** | **10-->91-->78-->72-->56-->41-->34-->15** |
| **Python Driver Code** | **Java Driver Code** |
| newH = reverse\_Last\_N( head, N )  printLL( newH )  # assumer printLL() is function that prints  # a Linked List. You don’t need to implement it | Node newH = oddRev( Node head, int N );  printLL( newH );  // assumer printLL() is a static method that  // prints a Linked List. You don’t need to  // implement it |