# Carla Pretorius 36184950 I\_Do6

## Problem:

No reverse option exists in Java. You can’t reverse data until you find a specific element.

## Solution:

ReverseUntil() is a method in the MyLinkedList class that will create a new linkedList which will store data from a calling linked list, but in reverse. You can specify until which element you want the new linkedList to store.

## Who will use this method?

**People interested in creating separate lists with a criterion might find this method useful.**

Imagine you want to store all numbers until 50, because they fit into a unique category, then you can easily create a new list with elements which meets the criteria (all the data before 50). You can easily see who or what was the closest to the criteria since it puts that element first in the new list. With the getFirst() function of the new MyLinkedList, you can easily retrieve the element closest to the criteria.

**People interested in just changing the order of data might find this useful** since it is possible to reverse the order of the data without a criterion, using a value you know isn’t in the original list as criteria. For example, if you know you are only working with positive integers, you can insert a negative integer as criteria, the method won’t find that value in the original list and will create a reversed list without any limits.