

CSC 212 Tutorial # 2

Lists

21/09/2014

Important: This tutorial has an online part, which you should complete on LMS (tutorial section). The deadline for this task is Sunday September 21st at midnight.

Method Reverse ()

Requires: none. **Input:** none

Results: the elements of the list will be stored in reverse order.

Where the 1st, 2nd, 3rd, ..., $i-1^{\text{th}}$, i^{th} elements will be i^{th} , $i-1^{\text{th}}$, $i-2^{\text{th}}$, ..., 2nd, 1st

Output: none.

Example. We have a LinkedList<Integer> in our main class. With its elements looking like this:

(14; 43; 28; 66; 33; 21)

Once we execute the reverse method they should look like this:

(21; 33; 66; 28; 43; 14)

Problem 1

Write the reverse method as an implementer of the List ADT.

Problem 2

Write the reverse method as a user of the List ADT.