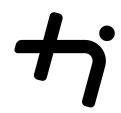
TECHNISCHE HOCHSCHULE INGOLSTADT PROF. DR.-ING. RICHARD MEMBARTH



05. April 2023

Algorithms and Data Structures Assignment 3

Submission deadline for the exercises: 11. April 2023

3.1 Linked List

- a) Implement the method reverse() of the class LinkedList provided in the linked-list.py file. The implementation should update the existing list in-place by updating the head attribute of the LinkedList and the next attributes of the Nodes.
- b) Implement the method new_reversed_list() of the class LinkedList provided in the linked-list.py file. The implementation should return a new LinkedList instance with reversed ordering. The original LinkedList should not be modified.
- c) Implement the method append_list() of the class LinkedList provided in the linked-list.py file. The implementation should append a copy of a given LinkedList to the current LinkedList. The original LinkedList should not be modified.

Don't forget to test your methods!