LINEAR DATA STRUCTURES – INTERESTING PROBLEMS

ACKNOWLEDGEMENT: THESE SLIDES ARE ADAPTED FROM SLIDES PROVIDED WITH DATA STRUCTURES AND ALGORITHMS IN C++, GOODRICH, TAMASSIA AND MOUNT (WILEY 2004) AND SLIDES FROM NANCY M. AMATO
QUESTION 1

- Reverse a singly linked list.
QUESTION 2

How would you design a stack which, in addition to push and pop, also has a function min which returns the minimum element? push, pop and min should all operate in $O(1)$ time.
Reverse a stack without using an extra stack.