# Lab 4

1. a. $O(1)$

   b. $O(1)$

   c. $O(1)$

   d. $O(1)$

2. The function removes the header and trailer of the linked list, and connects the last element to the first directly using pointers, creating a 'circular' loop structure where there's no definite concept of first (begin) or last (end) anymore.

3. The function performs actions on a doubly linked list with length 2 or above. It removes the second-last element from the DLL and deletes returns it.