Assignment Lec (19)

(1) Implement Deque data structure which supports insertion and deletion at both ends using doubly linked list.

(2) Implement priority queue using single linked list.

(3) If you have a single linked list that has a cycle, write a C program to detect if there is a cycle or not, get the size of such a list, remove the cycle and make it point to null at the end. An example of a list that has a cycle is shown in figure: