CSE2011 DSA Lab Practice Question Doubly Linked List and Circular Linked List

1- Write a program (preferably in C) to search a given element in doubly linked list at the given location

2- Write a program for the various cases of insertion and deletion (you can implement all in single program itself) in doubly linked list and circular doubly linked list.

3- Consider a scenario where n elements are present in the list. User wants to separate the list in two using one value x such that all the nodes greater than x comes at one end whereas nodes smaller than x comes to another end.

4- Consider one scenario where two lists is given and needs to be merged in a single list. Write a program for the given scenario.

5- There are few elements is given in the list. Given elements are not in a sorted way. Write one function to reverse the given list (using recursion and without using recursion).