

Lab 05 – 25-03-2021

Tasks 01 (50 marks)

You are provided code for linked list as discussed in the class. Implement and test the following considering all the boundary checks, special and exceptional cases:

1. Member function of the class LinkedList to insert a value at its beginning. The prototype of the function may be ***void addHead(int value)***.
2. Member function of the class LinkedList to *count* a specific value in its nodes. The prototype of the function may be ***int countOf(int value)***.
3. Member function of the class LinkedList to remove the node prior to the node contains its parameter value. The prototype of the function may be ***void removeBefore(int v)***.
4. Member function to insert a value as *N*th of the linked list. Its prototype should be like ***void insertNth(int value, int N)***.
5. Member function to reverse the linked list just by the re arrangement of the pointer variables (head of list and next of all nodes).

----- The End -----