Assignment 2

Instructions:-
1. You need to upload a pdf file for this assignment
2. Format:- Q1 code, screenshot of Q1 output , Q2 code, Q2 screenshot of output and so on in the sequence.
3. File Naming convention :- ID_Lab02.pdf
   a. Eg:- 202011002_Lab02.pdf

Sample Code for Linked List:- Link

1. **Reverse singly list**
   a. Input: 1 -> 3 -> 2 -> 5 -> 4
   b. Output: 4 -> 5 -> 2 -> 3 -> 1
2. **Remove duplicated from sorted linked list**
   a. Input: 1 -> 2 -> 2 -> 3 -> 4 -> 4
   b. Output: 1 -> 2 -> 3 -> 4
3. **Count nodes in circular linked list**
   a. Input: 1 -> 2 -> 3 -> 4 -> 5 (-> 1)
   b. Output: 5
4. **Delete element from doubly linked list(position wise)**
   a. **Input : 1 -> 2 -> 3 ->4 -> 5 -> 6, pos = 3**
   b. **Output : 1 -> 2 -> 4 -> 5 -> 6 (Delete third element(3) from the start considering 1 as the first element of the list)**
5. **Find the middle element of the singly linked list**
   a. **Eg1:- Input: 1 -> 2 -> 3 -> 4 -> 5 -> 6 ->7**
   b. **Output: 4**