

Assignment 3

1. Take N numbers as input from the user
 - a) Create a doubly linked list
 - b) Traverse
2. Find the middle element of a given linked list. In case of tie print the second one (using DLL)

Input:

5 -> 7 -> NULL

5 -> 7 -> 17 -> NULL

5 -> 7 -> 17 -> 13 -> NULL

5 -> 7 -> 17 -> 13 -> 11 -> NULL

Output:

7

7

17

17

3. Print the sum of all even numbers stored in a DLL.
4. Stack Implementation(C/C++)
 - a) Array
 - b) Singly linked list