Polynomial Addition

Let polynomial **: P1 = 12 x^7 + 10 x^4 + 18 x^2**

Let polynomial **: P2 = 8 x^6 + 9 x^4 + 27 x + 45**

Write code for : **P3 = P1 + P2 = 12 x^7 + 8 x^6+ 19 x^4 + 18 x^2 + 27 x + 45**

Test case Input : (cin >>) : 12 7 10 4 18 2 -1

(cin >>) : 8 6 9 4 27 1 45 0 -1

Output: (cout <<) : 12 7 8 6 19 4 18 2 27 1 45 0

Create a Generic Linked list

whose node value can be either an integer or character.

Read the input as given in the sequence.

If the input is a character, add to the beginning of the list and if it is an integer add at the end.

Input sequence would be : N I 21 T 9 20 C S 45 E

test case input is : 0 N 0 I 1 21 0 T 1 9 1 20 0 C 0 S 1 45 0 E 0 #

(you read using one cin>> for tag , one cin >> for value, till termination character '#')

The list should be formed with node contents in sequence as:

{ N I T C S E 21 9 20 45 }

Print (cout <<) the contents of the list as output

(test case output): N I T C S E 21 9 20 45

Reverse specified portion of a Linked List

Example(test case) : (cin >>) L = 1 2 3 4 5 6 7 8 - 1

Start position (cin >>) i = 2

End position (cin >>) j = 5

Output (test case) : (cout <<) 1 5 4 3 2 6 7 8