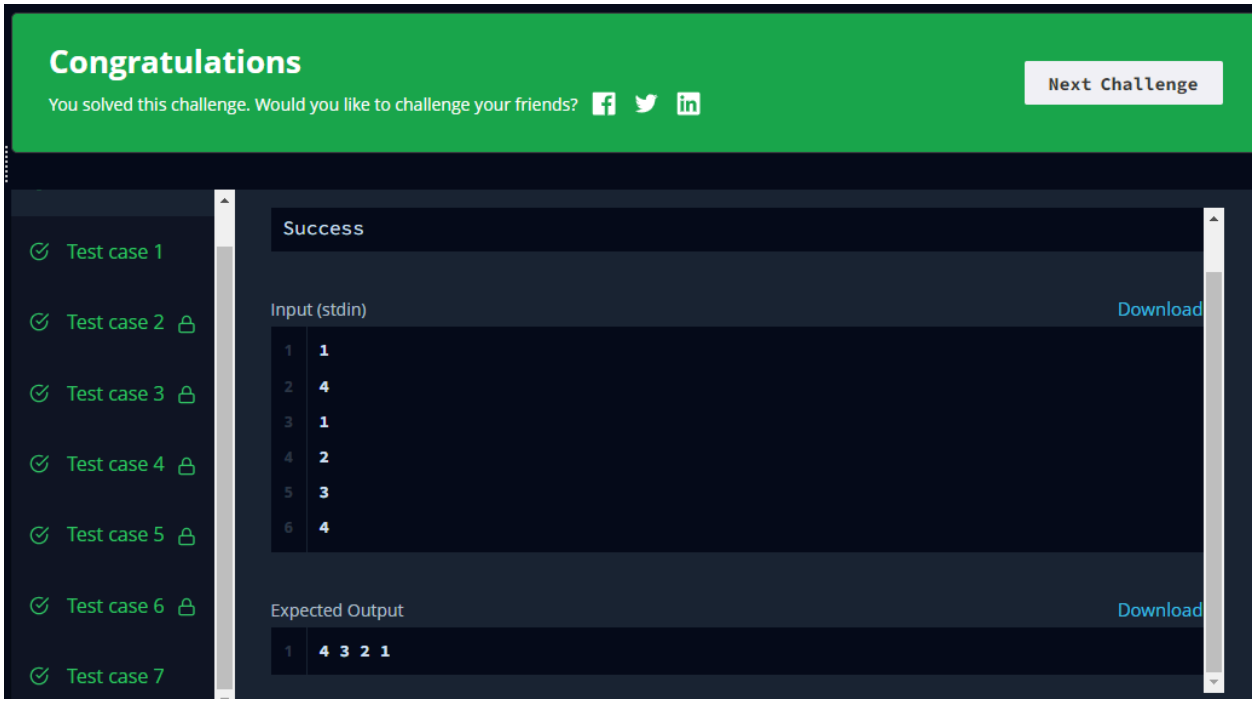
Code:

```
> #include <bits/stdc++.h> ···

/*
 * Complete the 'reverse' function below.
 *
 * The function is expected to return an INTEGER_DOUBLY_LINKED_LIST.
 * The function accepts INTEGER_DOUBLY_LINKED_LIST llist as parameter.
 */

/*
 * For your reference:
 *
 * DoublyLinkedListNode {
 *     int data;
 *     DoublyLinkedListNode* next;
 *     DoublyLinkedListNode* prev;
 * };
 *
 */

DoublyLinkedListNode* reverse(DoublyLinkedListNode* llist) {
    DoublyLinkedListNode* temp = llist;
    DoublyLinkedListNode* curr = temp;
    DoublyLinkedListNode* prev = NULL;
    DoublyLinkedListNode* nextOne = NULL;

    while(curr != NULL) {
        nextOne = curr->next;
        curr->next = prev;
        prev = curr;
        curr = nextOne;
    }
    return prev;
}
```

Output:


Congratulations!
You have passed the sample test cases. Click the submit button to run your code against all the test cases.
Sample Test case 0
Sample Test case 1
Sample Test case 2
1
4
1
2
3
4
Your Output (stdout)
4 3 2 1
Expected Output
Download
4 3 2 1


Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6
Test case 7
Success
Input (stdin)
Download
1
4
1
2
3
4
Expected Output
Download
4 3 2 1