

b)HACKER RANK: Reverse a double linked list

CODE:

```
DoublyLinkedListNode* reverse(DoublyLinkedListNode* llist) {
    DoublyLinkedListNode* current = llist;
    DoublyLinkedListNode* temp = NULL;

    // Traverse the list and swap prev and next pointers for each node
    while (current != NULL) {
        temp = current->prev;
        current->prev = current->next;
        current->next = temp;

        // Move to the next node
        current = current->prev;
    }

    // Update the head pointer to the last node (previous head becomes
    the new tail)
    if (temp != NULL) {
        llist = temp->prev;
    }

    return llist;
}
```

OUTPUT:

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#)

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✔ Test case 0

✔ Test case 1

✔ Test case 2

✔ Test case 3

✔ Test case 4

✔ Test case 5

✔ Test case 6

Success

Input (stdin) [Download](#)

1	1
2	4
3	1
4	2
5	3
6	4

Expected Output [Download](#)

1	4 3 2 1
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