



Reverse a linked list

by [harsha_s](#)

Problem

Submissions

Leaderboard

Discussions

Editorial

This challenge is part of a tutorial track by [MyCodeSchool](#) and is accompanied by a video lesson.

You're given the pointer to the head node of a linked list. Change the `next` pointers of the nodes so that their order is reversed. The head pointer given may be null meaning that the initial list is empty.

Input Format

You have to complete the `Node* Reverse(Node* head)` method which takes one argument - the head of the linked list. You should NOT read any input from stdin/console.

Output Format

Change the `next` pointers of the nodes that their order is reversed and `return` the head of the reversed linked list. Do NOT print anything to stdout/console.

Sample Input

```
NULL
2 --> 3 --> NULL
```

Sample Output

```
NULL
3 --> 2 --> NULL
```

Explanation

1. Empty list remains empty
2. List is reversed from 2,3 to 3,2

Video lesson

[f](#) [t](#) [in](#)Submissions: [66439](#)

Max Score: 5

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

[More](#)

Current Buffer (saved locally, editable)

C++



```
1 1 /*
2 2 Reverse a linked list and return pointer to the head
3 3 The input list will have at least one element
4 4 Node is defined as
5 5 struct Node
6 6 {
```

```
7      int data;  
8      struct Node *next;  
9  }  
10 */  
11 Node* Reverse(Node *head)  
12 {  
13     // Complete this method  
14 }  
15
```

Line: 1 Col: 1

 [Upload Code as File](#)

Run Code

Submit Code

Copyright © 2017 HackerRank. All Rights Reserved

Join us on IRC at [#hackerrank](#) on freenode for hugs or bugs.

[Contest Calendar](#) | [Interview Prep](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)