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Print the Elements of a Linked List



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This challenge is part of a MyCodeSchool tutorial track and is accompanied by a video lesson.

If you're new to *linked lists*, this is a great exercise for learning about them. Given a pointer to the *head* node of a linked list, print its elements in order, one element per line. If the head pointer is null (indicating the list is empty), don't print anything.

Input Format

The void Print(Node* head) method takes the head node of a linked list as a parameter. Each struct Node has a data field (which stores integer data) and a next field (which points to the next element in the list).

Note: Do not read any input from stdin/console. Each test case calls the Print method individually and passes it the head of a list.

Output Format

Print the integer data for each element of the linked list to stdout/console (e.g.: using printf, cout, etc.). There should be one element per line.

Sample Input

This example uses the following two linked lists:

NULL 1->2->3->NULL

 $\it NULL$ and $\it Node 1$ are the two head nodes passed as arguments to Print(Node* head).

Note: In linked list diagrams, -> describes a pointer to the next node in the list.

Sample Output

1 2 3

Explanation

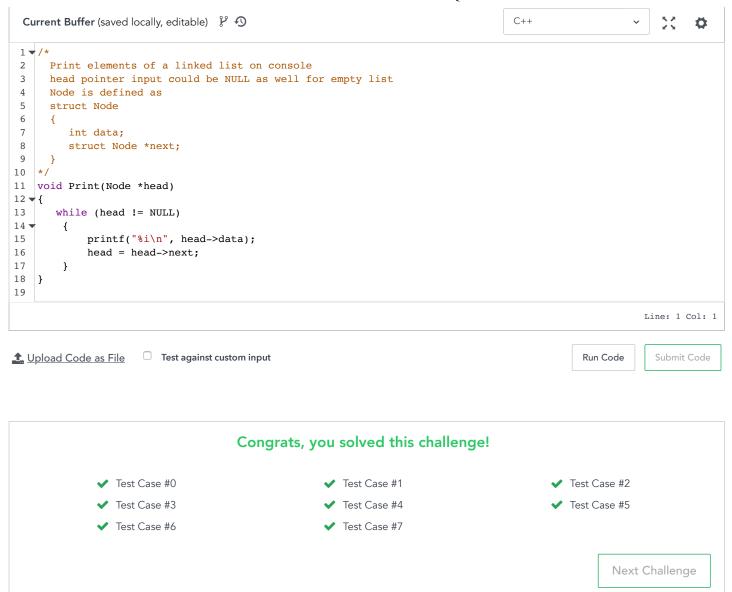
Test Case 0: NULL . An empty list is passed to the method, so nothing is printed.

Test Case 1: 1->2->3->NULL . This is a non-empty list so we loop through each element, printing each element's data field on its own line.

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Submissions: 89804 Max Score: 5 Difficulty: Easy

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