



Print the Elements of a Linked List

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Problem

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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
```

NULL and **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.



Submissions: [125174](#)




Max Score: 5

Difficulty: Easy

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C++   

```
1 1 /*
2 2     Print elements of a linked list on console
3 3     head pointer input could be NULL as well for empty list
4 4     Node is defined as
5 5     struct Node
6 6     {
7 7         int data;
8 8         struct Node *next;
9 9     }
10 10 */
11 11 void Print(Node *head)
12 12 {
13 13     // This is a "method-only" submission.
14 14     // You only need to complete this method.
15 15 }
16 16
```

Line: 1 Col: 1

 [Upload Code as File](#)☐ Test against custom input

Run Code

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