



Print the Elements of a Linked List

by [harsha_s](#)

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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.

Easy

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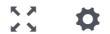
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Python 3



```
1 """
2 Print elements of a linked list on console
3 head input could be None as well for empty list
4 Node is defined as
5
6 class Node(object):
7
8     def __init__(self, data=None, next_node=None):
9         self.data = data
10        self.next = next_node
11
12
13 """
14 def print_list(head):
15     temp=head
16     if(temp):
17         while(temp):
18             print(temp.data)
19             temp=temp.next
20     else:
21         print("NULL")
22
```

Line: 18 Col: 28

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Testcase 0

Congratulations, you passed the sample test case.Click the [Submit Code](#) button to run your code against all the test cases.**Input (stdin)**

```
5
0
2
1 2
4
2 1 4 5
3
34 45 56
5
1 2 3 4 5
```

Your Output (stdout)

```
1
2
2
1
4
5
34
45
56
1
2
3
4
5
```

Expected Output

```
1
2
2
1
4
5
34
45
56
1
2
3
4
5
```