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.

This exercise focuses on traversing a linked list. You are given a pointer to the *head* node of a linked list. The task is to print the *data* of each node, one per line. If the head pointer is *null*, indicating the list is empty, nothing should be printed.

Function Description

Complete the *printLinkedList* function with the following parameter(s):

- *SinglyLinkedListNode head*: a reference to the head of the list

Print

- For each node, print its *data* value on a new line (console.log in Javascript).

Input Format

The first line of input contains n, the number of elements in the linked list.

The next n lines contain one element each, the *data* values for each node.

Note: Do not read any input from stdin/console. Complete the printLinkedList function in the editor below.

Constraints

- $1 \leq n \leq 1000$

- $1 \leq list[i] \leq 1000$, where $list[i]$ is the ith element of the linked list.

Sample Input

```
STDIN   Function
-----   --------
2       n = 2
16       first data value = 16
13       second data value = 13
```

Sample Output

```
16
13
```

Explanation

There are two elements in the linked list. They are represented as 16 -> 13 -> NULL. So, the *printLinkedList* function should print 16 and 13 each on a new line.

Change Theme   Language   Python 3

```python
1    #!/bin/python3 ···
29
30   # Complete the printLinkedList function below.
31
32   #
33   # For your reference:
34   #
35   # SinglyLinkedListNode:
36   #     int data
37   #     SinglyLinkedListNode next
38   #
39   #
40   def printLinkedList(head):
41       while head is not None:
42           print(head.data)
43           head = head.next
44
45   if __name__ == '__main__':
46       llist_count = int(input())
47
48       llist = SinglyLinkedList()
49
50       for _ in range(llist_count):
51           llist_item = int(input())
52           llist.insert_node(llist_item)
53
54       printLinkedList(llist.head)
55
```

EMACS   Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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81%   181/200

Problem Solving
★★

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⌛ **Test case 5**

✓ Test case 0

✓ Test case 1

✓ Test case 2 🔒

✓ Test case 3 🔒

✓ Test case 4 🔒

✓ Test case 6 🔒

🔒Hidden Test Case

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