

Print the Elements of a Linked List | HackerRank

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

This is an to practice traversing a linked list. Given a pointer to the head node of a linked list, print each node's **data** element, one per line. If the head pointer is null (indicating the list is empty), there is nothing to print.

Function Description

Complete the printLinkedList function in the editor below.

printLinkedList has 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 i^{th} element of the linked list.

Sample Input

```
2
16
13
```

Author: harsha_s

Difficulty: Easy

Max Score: 5

Submitted By: 277846

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```
1 > #include <assert.h> ...
55
56 // Complete the printLinkedList function below.
57
58 /*
59  * For your reference:
60  *
61  * SinglyLinkedListNode {
62  *     int data;
63  *     SinglyLinkedListNode* next;
64  * };
65  */
66 */
67 void printLinkedList(SinglyLinkedListNode* head) {
68     SinglyLinkedListNode *p;
69     p=head;
70     if(p==NULL)
71     {
72         printf("No elements in the linked list");
73     }
74     while(p!=NULL)
75     {
76         printf("%d\n", p->data);
77         p=p->next;
78     }
79     //printf("NULL");
80 }
81
```

Line: 79 Col: 18

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Run Code

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83%

25/30

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Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Compiler Message

Success

Input (stdin)

Download

1 2

2 16

3 13

Expected Output

Download

1 16

2 13