Insert a Node at the Tail of a Linked List *





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Your Insert a Node at the Tail of a Linked List submission got 5.00 points.

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

You are given the pointer to the head node of a linked list and an integer to add to the list. Create a new node with the given integer. Insert this node at the tail of the linked list and return the head node of the linked list formed after inserting this new node. The given head pointer may be null, meaning that the initial list is empty.

Function Description

Complete the *insertNodeAtTail* function with the following parameters:

- SinglyLinkedListNode pointer head: a reference to the head of a list
- int data: the data value for the node to insert

Returns

• SinglyLinkedListNode pointer: reference to the head of the modified linked list

Input Format

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

The next \boldsymbol{n} lines contain an integer each, the value that needs to be inserted at tail.

Constraints

- $1 \le n \le 1000$
- $1 \leq list_i \leq 1000$

Sample Input

STDIN	Function
5	size of linked list n = 5
141	linked list data values 141474
302	
164	
530	
474	

Sample Output

141		
302		
164		
530		
474		



Explanation

First the linked list is NULL. After inserting 141, the list is 141 -> NULL.

After inserting 302, the list is 141 -> 302 -> NULL.

After inserting 164, the list is 141 -> 302 -> 164 -> NULL.

After inserting 530, the list is 141 -> 302 -> 164 -> 530 -> NULL. After inserting 474, the list is 141 -> 302 -> 164 -> 530 -> 474 -> NULL, which is the final list.





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	Com	piler Message	
7 Test case 1	Su	ccess	
ア Test case 2 白		(stdin)	Download
	1	141	
	3	302 164	
	5 6	530 474	
∑ Test case 6			

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