















Points: 155.00 Rank: 34936



Dashboard > Data Structures > Linked Lists > Insert a node at the head of a linked list

Insert a node at the head of a linked list ■





Problem

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

You're 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 head of the linked list and return the new head node. The head pointer given may be null meaning that the initial list is empty.

Input Format

You have to complete the Node* Insert(Node* head, int data) method which takes two arguments - the head of the linked list and the integer to insert. You should NOT read any input from stdin/console.

Output Format

Insert the new node at the head and return the head of the updated linked list. Do NOT print anything to stdout/console.

Sample Input

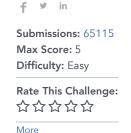
NULL , data = 1 1 --> NULL , data = 2

Sample Output

Explanation

- 1. We have an empty list, on inserting 1, 1 becomes new head.
- 2. We have a list with 1 as head, on inserting 2, 2 becomes the new head.

Video lesson



```
Current Buffer (saved locally, editable) $\forall \cdot \forall \cdot \f
```

```
6
7
         int data;
8
         struct Node *next;
9
   return back the pointer to the head of the linked list in the below method.
10
11
12 Node* Insert(Node *head,int data)
13 ▼ {
        struct Node* buffer = (struct Node*) malloc ( sizeof(Node));
14
15
        buffer->data = data;
        buffer->next = head;
16
17
        head = buffer;
18
        return head;
19
20
                                                                                                         Line: 1 Col: 1
```

1 Upload Code as File

Run Code

Submit Code

Congrats, you solved this challenge! ✓ Test Case #0 ✓ Test Case #1 ✓ Test Case #2 ✓ Test Case #4 ✓ Test Case #5 ✓ Test Case #7 Next Challenge

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