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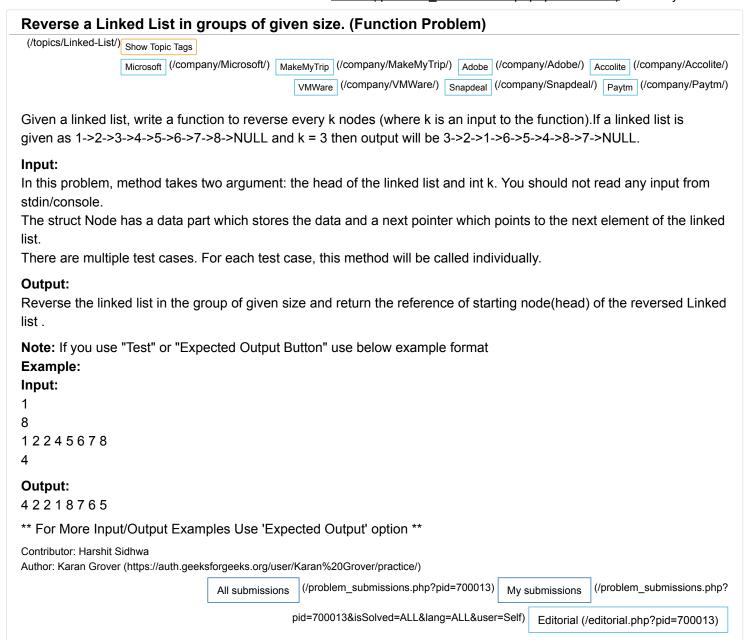
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Circular tour (/problems/circular-tour/1/?ref=self)	
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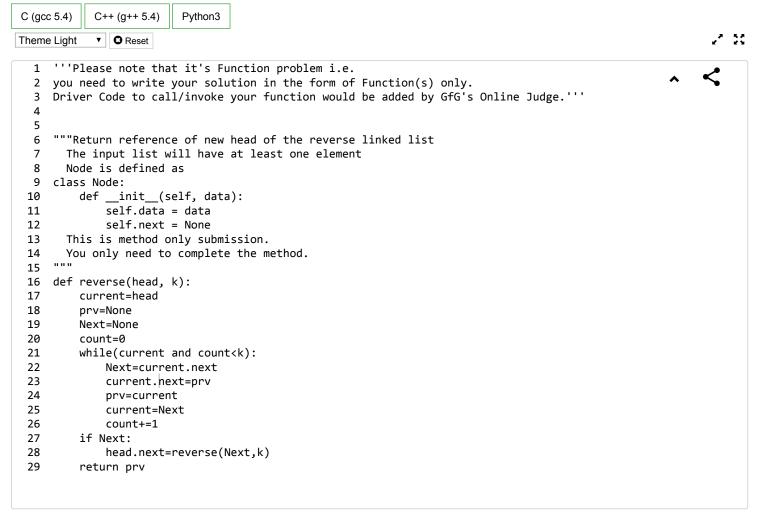
Difficulty Level: Medium (https://practice.geeksforgeeks.org/Medium/1/0/)

Submissions: <u>13964 (/problem_submissions.php?pid=700013)</u> Accuracy: 40.23%



New to competitive programming? Please see How to Begin? (https://www.geeksforgeeks.org/how-to-begin-with-competitive-programming/) and How to Pick a Category? (https://practice.geeksforgeeks.org/pickACategory.php)

Since this is Function Problem, your code is concatenated with this (C (/viewInitialCode.php?pid=700013&problemName=Reverse a Linked List in groups of given size.&lang=c&problemLevelCode=1&problemLevel=Medium) or C++ (/viewInitialCode.php?pid=700013&problemName=Reverse a Linked List in groups of given size.&lang=cpp&problemLevelCode=1&problemLevel=Medium) or Python (/viewInitialCode.php?pid=700013&problemName=Reverse a Linked List in groups of given size.&lang=python3&problemLevelCode=1&problemLevel=Medium)) code.



It is recommended to 'Compile & Test' your code before clicking 'Submit'!

Compile & Test Submit Expected Output

Compilation/Execution Result:

Correct Answer. ✓ Execution Time:0.02

Next Suggested Problem: Delete nodes having greater value on right (/problems/delete-nodes-having-grea

Need help with your code? Please use ide.geeksforgeeks.org (https://ide.geeksforgeeks.org), generate link and share the link here.

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Trending Problems
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Mr Modulo and Pairs (/problems/mr-modulo-and-pairs/0/?ref=self)
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Smallest K digit number divisible by X (/problems/smallest-k-digit-number-divisible-by-x/0/?ref=self)
Bridge Edge in Graph (/problems/bridge-edge-in-graph/1/?ref=self)
Sum of all subsets formed by first N natural numbers (/problems/sum-of-all-subsets-formed-by-first-n-natural-numbers/0/?ref=self)
Find the position (/problems/find-the-position/0/?ref=self)
Add two numbers represented by two arrays (/problems/add-two-numbers-represented-by-two-arrays/0/?ref=self)
Multiply two polynomals (/problems/multiply-two-polynomals/0/?ref=self)
The Tiny Miny (/problems/the-tiny-miny/0/?ref=self)
Count of distinct substrings (/problems/count-of-distinct-substrings/1/?ref=self)
Closest Triplet (/problems/closest-triplet/0/?ref=self)
Subset with no pair sum divisible by K (/problems/subset-with-no-pair-sum-divisible-by-k/0/?ref=self)

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Name

Pawan Kumar Saini • 6 months ago
Java Please
5 ^ | ∨ • Reply • Share >



Nfrankenstein • a month ago

Okay... now you seriously need to look into this :/ @HarshitSidhwa @KaranGrover

Wrong Answer!!!

Please check lower-upper case of your code's output.

Possibly your code doesn't work correctly for multiple test-cases (TCs).

The first test case where your code failed:

Input:

10

```
5993566282
Its Correct output is:
9539652628
And Your Code's Output is:
9593566282
\ -_- /
1 ^ | V • Reply • Share
      sandeep dhanotiya → Nfrankenstein • 15 days ago
      your output is wrong that's it
      yakeen sharma → Nfrankenstein • a month ago
      I am facing the same issue.
      HIMANSHU SHEKHAR • 8 days ago
Java?
∧ V • Reply • Share >
Shubham Pandey • a month ago
@vaibhav29 JAVA???
Dird • 2 months ago
Why is there no Java :/
Amol Mejari • 2 months ago
  struct node *reverse (struct node *head, int k) {
     if (head == nullptr) return nullptr;
     int i=1;
     node* nxt = head->next;
     node* prev = head;
     prev->next = nullptr;
     while(i < k && nxt != nullptr) {</pre>
         node* tmp = nxt->next;
         nxt->next = prev;
         prev = nxt;
         nxt = tmp;
         i ++;
     head->next = reverse(nxt, k);
     return prev;
Bihari • 3 months ago
I am getting error " Your output is producing less number of lines than expected!!!"
struct node *reverse (struct node *head, int k)
node *prev,*cur,*next;
cur=head;
prev=NULL;next=NULL;
int c=k;
while (c <\! k \&\&="" cur!="NULL)" \{="" next="cur-">next;
```

```
Reverse a Linked List in groups of given size. | Practice | GeeksforGeeks
cur->next = prev;
prev = cur;
cur = next;
C++;
if(next!=NULL)
head->next=reverse(next,k);
return prev;
Avinash Bhardwaj • 5 months ago
Working solution in Java ...
public class ReverseListUtility {
public static void main(String[] args) {
Node node = new Node(1);
Node node1 = new Node(2);
node.setNext(node1);
Node node2 = new Node(3);
node1.setNext(node2);
Node node3 = new Node(4);
node2.setNext(node3);
Node node4 = new Node(5);
node3.setNext(node4);
Node node5 = new Node(6);
node4.setNext(node5);
Node node6 = new Node(7);
node5 setNext(node6):
                                                       see more
∧ V • Reply • Share >
Megha • 5 months ago
struct node *reverse (struct node *head, int k)
// Complete this method
if(head == NULL)
return 0;
else if(head->next == NULL)
return head;
else
for(int i=0;i<k;i++) {="" node="" *tmp="head-">next;
head->next = NULL;
node *rev = reverse(tmp,k);
tmp->next = head;
return rev;
}
}
My code ends up in reversing the entire list. Can anyone explain why?
```

```
Reverse a Linked List in groups of given size. | Practice | GeeksforGeeks
What does this line even mean?
      for(int i=0;i< k;i++) {="" node="" *tmp="head-">next;}
      ??
      Deepak Gupta • 5 months ago
Java sln
http://hackerranksolutionc....
∧ V • Reply • Share >
Nishant Bhardwaj • 5 months ago
http://codeshattered.blogsp...
mahi Yadav • 5 months ago
java please
∧ V • Reply • Share >
hulk hogan • 6 months ago
http://ideone.com/s4Ya0U
Kashif Minhaj • 6 months ago
Here's solution using python3
Time complexity: O(n)
def reverse(head, k):
# Code here
reverseHead = None # head of each reversed segment
curr = head # node that's being processed currently
prevTail = None # tail of the previous reversed segment
finalHead = None # head of the fully reverse by k LL
while curr != None:
tail = curr # in the current segment, curr will always be the tail
reverseHead = None # head of reversed segment is currently null, will be updated over time
for i in range(k): # reverse K nodes
if curr == None:
break
nextNode = curr.next # save next node to be processed
# make current node as the new head of reversed segment
                                                       see more
ronny • 6 months ago
C# or F# please
Anonymous • 6 months ago
In C++, when I am using stack<node*> st, its showing me that 'stack' was not declared in this scope. Please do correct this
problem:)
∧ V • Reply • Share >
      saksham raj seth Mod → Anonymous • 6 months ago
      added bits/stdc++.h header file,
      please give it a try again
      1 ^ | V • Reply • Share >
```

Hemant • 6 months ago



Displaying Segmentation Fault (SIGSEGV) on submission even though it shows correct answer of test inputs.

code is as follows:-

```
struct node *reverse (struct node *head, int k)
{
    int count=0,i=0;struct node *start=head,*start1=head;

    while(start!=NULL)
{
        count++;

        start=start->next;
} //counting no. of terms
        start=head;

while(i<count) {="" int="" recurr="0,*reserve;" reserve="(int*)malloc(k*sizeof(int));" while(recurr<k)="" {="" }
```

ctart-ctart Snavt.

see more

reserve[recurr]="start-">data;



Ankit • 7 months ago

@Amit Khandelwal: When i execute the program, it shows TLE and another times it shows correct output. I think there is problem, please check my code

http://ide.geeksforgeeks.or...

```
∧ V • Reply • Share >
```



SHIVAM SAXENA • a year ago

use data instead of value for java \dots @GeeksforGeeks please do make the required change

```
∧ V • Reply • Share >
```



Dinesh Makkar • a year ago

Expected output is showing compilation error :

Compilation Error

In function `_start':

undefined reference to 'main'

error: Id returned 1 exit status



Amit Khandelwal → Dinesh Makkar • a year ago

Make sure you are not using main function again. It has already been used at backend.

```
∧ V • Reply • Share >
```



Dinesh Makkar → Amit Khandelwal • a year ago

I am writing only required function not the main.



jd • a year ago

my java soln..

http://www.practice.geeksfo...



Ashish Agarwal • 2 years ago

there is one problem in the code template given in the text editor

viz. it should be either struct node with small n or struct Node with capital N. but in the given template name of the structure is 'struct node' while the data type for the next pointer is 'struct Node'.

plz clear it. thank u

