

CP Club 365 Days Challenge

<u>Programming language</u> – Any language

Problem Statement

https://practice.geeksforgeeks.org/problems/rotate-a-linked-list/1?page=2&difficulty[]=1&status[]=unsolved&curated[]=1&sortBy=submissions

https://github.com/Pushti18/CP-Club-100-onwards-

```
class Solution
{
public:
//Function to rotate a link
```

Your Code:

```
//Function to rotate a linked list.
Node* rotate(Node* head, int k)

{
    // Your code here
    int a=0;
    Node *c=head;
    if(c==NULL || c->next==NULL)
        return head;
    while(c!=NULL){
        a++;
        c=c->next;
    }
    k=k%a;
    Node *tail=head,*d=NULL;
    for(int i=0;i<k;i++){
        while(tail->next!=NULL){
```



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```
d=tail;
    tail=tail->next;
}
    d->next=NULL;
    tail->next=head;
    head=tail;
}
    return head;
}
```

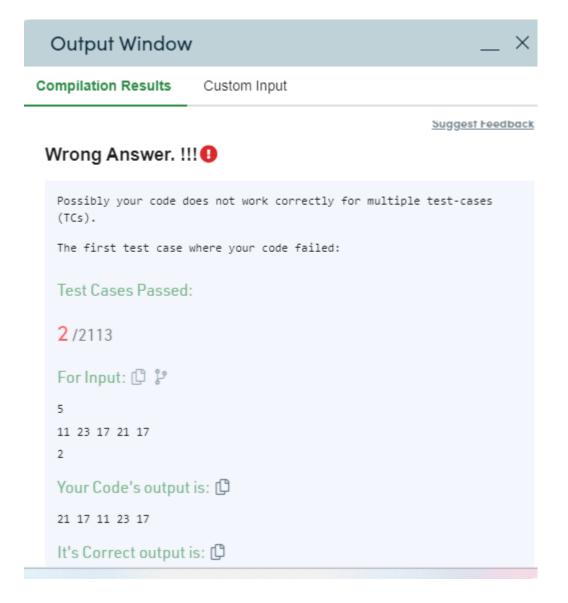
Output (Screen Shot):



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Understanding about problem:

In this problem we will first compare k is equal to length then k=0 or else k% length. Then set last node to point to head node. And then traverse through the list till we get length -k node. And then get the temp node and then set to next. Print the node.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

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Team CP Club