```c
 1: #include<stdio.h>
 2: #include<stdlib.h>
 3: struct node{
 4:     int v;
 5:     struct node *next;
 6: };
 7: // head points to first noed of the linkedlist
 8: struct node *head;
 9: // inserts value at the front of LinkedList head
10: void insertAtBegin(int value){
11:     struct node *temp = (struct node*)malloc(sizeof(struct node));
12:     temp->v = value;
13:     if(head==NULL){
14:         temp->next = NULL;
15:         head = temp;
16:         return;
17:     }
18:     temp->next = head;
19:     head = temp;
20: }
21: // display linkedlist
22: void displayLL(struct node* head){
23:     struct node *temp = head;
24:     while(temp!=NULL){
25:         printf("%d->",temp->v);
26:         temp = temp->next;
27:     }
28:     printf("NULL \n\n");
29: }
30: struct node* reverseLLK(struct node* head, int k) {
31:
32:     if(head==NULL||head->next==NULL)    return head;
33:
34:     struct node* p;    //previous
35:     struct node* c;    //current
36:     struct node* n;    //next
37:     struct node* h;
38:     int i = 1;
39:     h = head;
```

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40:        c = head;
41:        p = NULL;
42:        n = c->next;
43:
44:        while (n != NULL) {
45:            c->next = p;
46:            p = c;
47:            c = n;
48:            n = n->next;
49:            ++i;
50:            if (i == k)
51:                break;
52:        }
53:
54:        c->next = p;
55:        h->next = reverseLLK(n, k);
56:
57:        return c;
58: }
59: int main(){
60:
61:        for(int i=1;i<=12;++i){
62:            insertAtBegin(i);
63:        }
64:
65:        printf("LinkedList:\n");
66:        displayLL(head);
67:
68:        head = reverseLLK(head,4);
69:
70:        printf("LinkedList after Reverse:\n");
71:        displayLL(head);
72:
73: }
```