

ReverseInPairsOfK.java

```
package codenvy.ll;

public class ReverseInPairsOfK {
    public static void main(String[] arg){
        static LinkedList createLL(){
            static Node reverseInPairs(Node node){
                if(node == null || node.next == null ){
                    return node;
                }
                Node nodeOne = node;
                Node nodeTwo = node.next;
                Node newHead = node.next;
                Node nodeTwoNext = node.next.next;
                nodeTwo.next = nodeOne;
                nodeOne.next = reverseInPairs(nodeTwoNext);
                return newHead;
            }

            //a->b->c->d->e->f
            // c->b->a-> ->f->e->d
            static Node reverseInKNew(Node node, Integer k){
                if(node == null || node.next == null ){
                    return node;
                }
                Node prev = null;
                Node newHead = null;
                Node oldHead = node;
                for(int i=0; i<k; i++){
                    Node nextNode = node.next;
                    node.next = prev;
                    prev = node;
                    node = nextNode;
                }
                newHead = prev;
                oldHead.next = reverseInKNew(node, k);
                return newHead;
            }

            static Node reverseInKWorking(Node node, Integer k){
        }
```