

```

class Solution
{
    public void reorderList(ListNode head)
    {
        if(head==null || head.next==null)
        {
            return;
        }
        int index=0;
        ListNode temp=head;
        while(temp!=null)
        {
            index++;
            temp=temp.next;
        }
        int loopCount = (index % 2 == 0) ? (index / 2 - 1) : (index / 2);

        ListNode curr=head;
        for(int i=0;i<loopCount;i++)
        {
            ListNode t=head;
            while(t.next!=null&& t.next.next!=null)
            {
                t=t.next;

            }
            ListNode last=t.next;//4//5
            ListNode nextNode=curr.next;//2//
            curr.next=last;//4//5
            last.next=nextNode;//2//2
            t.next=null;//3 next =null//null
        }
    }
}

```

```

        curr=nextNode;//current will be 2 loop will be cut
    }
    temp = head;
    System.out.print("[");
    while (temp != null) {
        System.out.print(temp.val);
        if (temp.next != null) System.out.print(",");
        temp = temp.next;
    }
    System.out.print("]");
}
}

```

```

/*
last = t.next = 5
nextNode = curr.next = 2
curr.next = last → 1 → 5
last.next = nextNode → 5 → 2
t.next = null → 4 → null
curr = nextNode = 2
last = t.next = 4
nextNode = curr.next = 3
curr.next = last → 2 → 4
last.next = nextNode → 4 → 3
t.next = null → 3 → null
curr = nextNode = 3
*/

```