- **EASY**
- **Max Score: 30 Points**

Exchange Nodes

Given a linked list consisting of N nodes, your task is to exchange the first and last node of the list.

Your task is to complete the function `exchangeNodes` which takes a linked list as the parameter and returns the head node of the modified linked list.

Input Format

The first line contains an integer `N`, the length of the linked list.

The next line contains `N` integers, the elements of the linked list.

Output Format

Print the updated linked list in new line.

Example 1

Input

```
3
1 2 3
```

Output

```
3 2 1
```

Example 2

Input

```
4
1 2 3 4
```

Output

```
4 2 3 1
```

Constraints

3 <= N <= 1000

1 <= list[i] <= 1000, where list[i] is the ith element of the list.

My code

```
// in java
import java.util.*;
import java.lang.*;
import java.io.*;


class Node
{
    int data;
    Node next;

    Node(int data, Node next)
```

```java
    {
        this.data = data;
        this.next = next;
    }

    Node() {}
}


public class Main
{


static void display(Node h,int n)
  {
    Node p=h;
    while(n>0)
      {
        System.out.print(p.data+" ");
        p=p.next;
        n--;
      }
  }


static Node fun(Node a,int n)
    {


  Node d=a,p=null;
  for(int i=1;i<n-1;i++)
    a=a.next;
```

```java
    p=a.next;

   p.next=d.next;
   d.next=p;
   a.next=d;
   return p;


    }


      public static void main (String[] args) throws java.lang.Exception
      {
            //your code here
        Scanner s=new Scanner(System.in);
     Node a=null;

     int n=s.nextInt();
     int arr[]=new int[n];
for(int i=0;i<n;i++)
  arr[i]=s.nextInt();
 for(int i=n;i>0;i--)
   a=new Node(arr[i-1], a);

 // display(a,n);
 Node h=fun(a,n);
 display(h,n);


    }}
```