- **MEDIUM**
- **Max Score: 40 Points**
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Print in Reverse

Given an integer `n` denoting number of elements in linked list. And then we are given `n` integers where the `ith` integer denoted `ith` element of linked list. We need to print the linked list in reverse i.e from tail to head.

Your task is to complete the function `reverse` which receives the head of the linked list as parameter and prints the linked list in reverse order.

Input Format

The First line of input contains a single integer n denoting size of linked list The Second line contains n integers where ith integer denotes ith element of linked list

Output Format

Ouput linked list in reverse order i.e from last node(tail) to head node

Example 1

Input

```
5
2 6 8 10 1
```

Output:

```
1 10 8 6 2
```

Example 2

Input

```
6
1 2 3 4 5 6
```

Output:

```
6 5 4 3 2 1
```

Constraints:

1 <= n <= 5*10^3

My code

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


class Node
{
    int data;
    Node next;

    Node(int data, Node next)
    {
        this.data = data;
        this.next = next;
    }

    Node() {}
}
```

```java
public class Main
{


  static void display(Node h)
  {
    Node p=h;
    while(p!=null)
     {
       System.out.print(p.data+" ");
       p=p.next;
     }
  }
 static void dplyrev(Node h)
     {
          if(h==null) return;
          dplyrev(h.next);
          System.out.print(h.data+" ")  ;
     }

static Node reverse(Node a)
    {
      Node dummy = new Node();
      Node tail = dummy;
      while (true)
      {
         if (a == null) break;
      Node d=a;
        a=a.next;
        d.next=tail.next;
```

```java
            tail.next=d;

        }

        return dummy.next;
    }


        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);
 // Node h=reverse(a);
//  display(h);
        dplyrev(a);
    }}
```