https://course.acciojob.com/idle?question=f04cbc4e-9a17-4302-8430-6b9f84ecbcb5

- EASY
- Max Score: 30 Points

Insertion in circular linked list

Given a circular linked list consisting of N nodes and an integer K, your task is to add the integer K at the end of the list.

Input Format

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

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

The last line contains K, the value of the node to be added to the end of the list.

Output Format

Print the updated circular linked list in the new line.

Example 1

Input

```
3
1 2 3
4
```

Output

```
1 2 3 4
```

Example 2

Input

```
4
1 2 3 4
1
```

Output

```
1 2 3 4 1
```

Constraints:

1 <= `N` <= 1000

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

Topic Tags

- **Linked lists**

My code

```
// 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() {}
}


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  insert(Node a,int n,int m)
     {

       Node d=a;
      Node t = new Node();
```

```
      t.data=m;t.next=d;

  for(int i=1;i<n;i++)
    a=a.next;
  a.next=t;

  return d;

    }



        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);
         int m=s.nextInt();
  Node h=insert(a,n,m);
  display(h,n+1);

    }}
```