

<https://course.acciojob.com/idle?question=7b346e14-d70f-4dc0-a82f-f3c2f3da9646>

Delete a Node

Given a linked list and an index, write a function to delete the node at that index from the linked list.

Input Format

The first line of input contains an integer n , the number of elements in the linked list.

Each of the next n lines contains an integer, the node data values in order.

The last line contains an integer, the index of the node to delete. ($0 \leq \text{position} \leq n-1$)

Output Format

Output elements of the linked list after deleting the required node

Example 1

Input

```
8
20
6
2
19
7
4
15
9
3
```

Output

```
20 6 2 7 4 15 9
```

Explanation

After deleting the element at index 3 (with value 19), we obtain the linked list 20 -> 6 -> 2 -> 7 -> 4 -> 15 -> 9.

Example 2

Input

```
3
1
2
3
0
```

Output

```
2 3
```

Constraints

$1 \leq n \leq 1000$

$1 \leq \text{llist}[i] \leq 1000$, where $\text{llist}[i]$ is the i th element of linked list

Topic Tags

- **Linked lists**

My code

// in 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)
    {
        Node p=h;
        while(p!=null)
        {
            System.out.print(p.data+" ");
            p=p.next;
        }
    }

    static Node del(Node h,int n)
    {
        //display(h);

        Node a=h, t=h;
    }
}

```

```

    if(n==0) t=a.next;
    for(int i=1;i<n;i++)
        a=a.next;
    a.next=a.next.next;
    return t;
}

```

```

    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=del(a,m);
        display(h);

    }
}

```