

Kosakosa Linked List

Problem

Submissions

Leaderboard

Discussions

Write a program to create linked list by appending the elements without its duplicate and print the resultant linked list and also the mid element of the linked list.

Input Format

Input consists of a single line of elements that belongs to the linked list.

Output Format

Output should be formatted in 2 lines : First line should be the linked list Second line should be the mid element of the linked list.

Sample Input 0

1 2 3 4

Sample Output 0

1 2 3 4

3

Sample Input 1

```
1 2 3 4 5
```

Sample Output 1

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



Contest ends in a month

Submissions: 75

Max Score: 10

Difficulty: Medium

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Java 7



```
1 ▼ import java.io.*;
2  import java.util.*;
3  import java.text.*;
4  import java.math.*;
5  import java.util.regex.*;
6
7 ▼ class node{
8      int data;
```

```
9      node next;
10  ▼   node(int d){
11      data=d;
12      next=null;
13  }
14 }
15 ▼ public class Solution {
16  ▼   public static void main(String[] args) {
17      Scanner sc=new Scanner(System.in);
18      node head=null;
19      node tail=null;
20
21      Set<Integer> dup=new HashSet<>();
22
23  ▼   while(sc.hasNext()){
24      int val=sc.nextInt();
25      if(dup.contains(val))
26          continue;
27      dup.add(val);
28      node nn=new node(val);
29
30  ▼      if(head==null){
31          head=nn;
32  ▼      }else{
33          tail.next=nn;}
34      tail=nn;
35  }
36
37      node temp=head;
38      int len=1;
39  ▼   while(temp.next!=null){
40      len++;
41      System.out.print(temp.data+" ");
42      temp=temp.next;
43  }
44      System.out.println(temp.data);
45
46      len/=2;
```

```
47     temp=head;
48     for(int i=0;i<len;i++)
49         temp=temp.next;
50     System.out.print(temp.data);
51 }
52 }
```

Line: 1 Col: 1

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