import java.util.Scanner;

public class Main{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.println("Enter n : ");

int n=sc.nextInt();

int[] arr=new int[n];

for(int i=0;i<n;i++){

System.out.println("enter" +" "+ i +" "+ "element:");

arr[i]=sc.nextInt();

}

for(int i=0;i<n;i++){

System.out.print(arr[i]+" ");

}

int max=arr[0];

int secMax=arr[1];

if(max<secMax){

max=arr[1];

secMax=arr[0];

}

for(int i=2;i<n;i++){

if(arr[i]>max){

secMax=max;

max=arr[i];

}

else if(arr[i]>secMax){

secMax=arr[i];

}

}

System.out.println("max is :"+max);

System.out.println("second max is :"+secMax);

}

}